CalComp Model 1144 Disk Storage Systems Operation

Part No. 10077-901-001-1

MODEL 1144 DISK STORAGE SYSTEMS
OPERATION MANUAL

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FOREWORD

This manual consists of three sections and an appendix. Section 1 contains instructions for operating the system online, assuming that it has been placed in the standby condition as directed in Appendix 1. Sections 2 and 3 give instructions for performing offline operations which will be required occasionally, to format new disk packs prior to using them for storage or to bad-spot (correct for surface errors in the disks). The instructions in Section 2 and 3 should be studied carefully before proceeding and then applied cautiously. Mistakes in using the offline controls can result in destruction of data in disk storage.

Frontispiece. 1144 System With One File of Storage

SECTION 1
ONLINE OPERATION

The Model 1144 Disk Storage System consists of a Model 1144 Controller driving Model 244 (and/or 242) Disk Drives. The system provides high-speed, random-access mass storage online to Univac computers.

Once online, the system runs entirely under program control so the operator's duties are quite simple.

SCOPE

These instructions presuppose a system that has been installed and checked out online by maintenance personnel and left in the standby condition. If this is the case, the STNBY indicator on the controller will be illuminated and, when the ON button is pressed, the controller and drives will power up in sequence and go automatically into the online condition. Readiness of the drives will be indicated by the lighted drive number indicators (green).

This manual does not contain instructions for situations where the above conditions are not in effect or for the correction of malfunctions. If the system is not in the standby condition or does not respond correctly when powered up, notify maintenance personnel and make no further attempt to operate the system.

OPERATOR CONTROLS

The functions of controls to be used by the operator are shown in Figures 1-1 and 1-2. All other controls should be left in the positions in which found.

TO START OPERATION

Check that the drives are loaded with disk packs and the drive POWER switches are ON.

Press the ON button at the controller; observe that STNBY goes out and the ON indicator lights. The drives will execute their first-seeks and the drive number indicators (green) will illuminate. The drive SELECT LOCK indicators must be out.

If all indications are correct, the system is online to the computer.

TO GO OFFLINE

Press STNBY at the controller. The system will go offline and power down. STNBY will light.

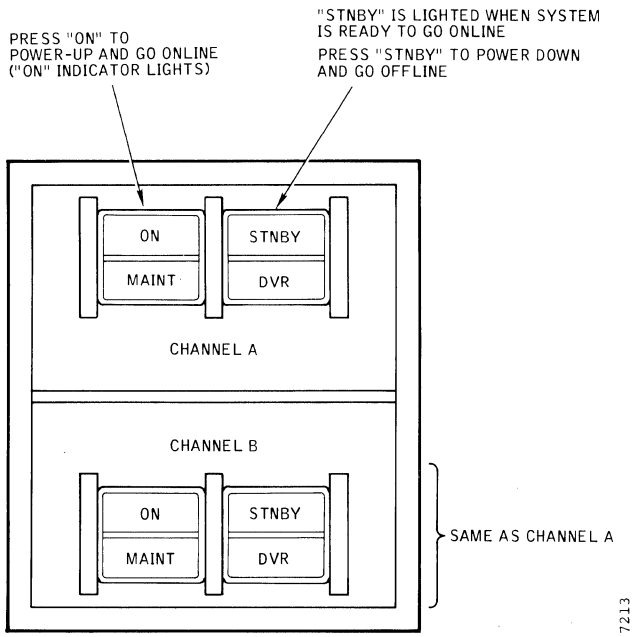


Figure 1-1. Controller Operator Controls

TO CHANGE A DISK PACK

CAUTION

In Standard 1144 systems (defined in Section 2) the disk packs on the three spindles of a file become a matched set once they have been used for data storage. If removed, they must be labeled according to their positions within the file (Spindle 0, 1 and 2) and replaced in this same order if used again, otherwise the data organization of the file will be incorrect. If a write operation were directed to a Standard system file whose disk packs were out of order data would be destroyed. There is no way, in Standard systems, to separately reach the data stored on a single disk pack; access must be by files.

In Modular systems (defined in Section 3) the three spindles of a file also become a matched set and should be kept together and in order. However, in modular systems the Fastrand position numbers of the data stored on each spindle are known (Spindle 0: 0–83, Spindle 1: 84–167, Spindle 2: 168–191, see Section 3). Since this is the case, it is possible, with special programming, to identify individual disk packs and

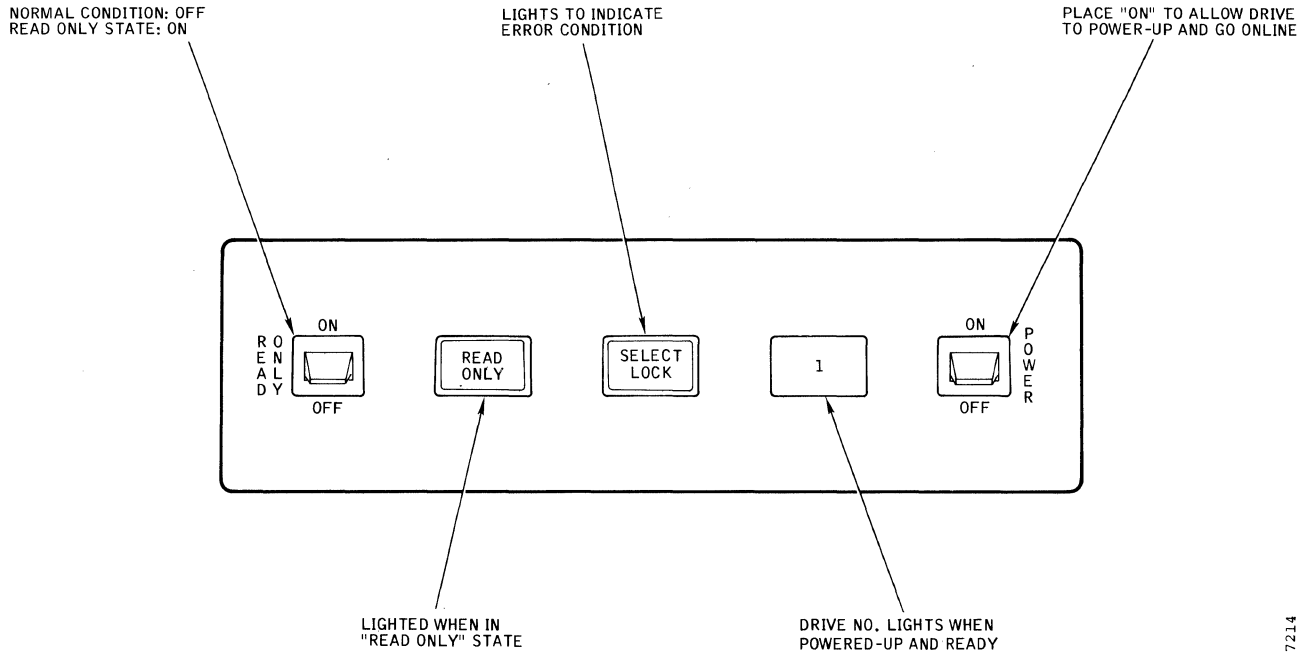


Figure 1-2. Disk Drive Operator Controls

store and retrieve data from them separately. This is a feature not available in Fastrand drum systems so Fastrand programming makes no provision for it.

At the drive in which the pack is to be changed, put the POWER switch to OFF; the drive will power down.

CAUTION

Do not open the drawer until the spindle stops.

Open the drawer, place the top cover on the pack, and rotate its handle counterclockwise to lock it to the pack. When it clicks in place, lift the pack from the spindle. Place the bottom cover on the pack and turn its retaining knob clockwise to secure.

Install the new pack by first removing its bottom cover, carefully lowering it onto the spindle, then turning the handle clockwise to remove the top cover. Put the empty top and bottom covers back together to keep out dust.

Put the POWER switch to ON and note that the drive first-seeks and the drive number indicator (green) illuminates.

TO READ ONLY

For protection of the disk contents, any drive spindle can be placed in the read only state by placing its READ ONLY switch (Figure 1-2) to ON. The READ ONLY indicator will light, indicating that the spindle will not execute write commands. This prevents new data from wiping out data that was previously stored on the disk pack. Normally, in a standard disk storage setup, the READ ONLY switch will be at OFF while the system is online.

ERROR INDICATIONS

At the controller, errors or malfunctions are indicated by failure of the system to power up and go online when a startup is initiated. (STNBY does not go out and ON come on, and so forth, as described in To Start Operation.) The only remedy for this is to notify maintenance personnel.

At the drives, some error states are indicated by lighted SELECT LOCK indicators. When this happens, attempt to clear the SELECT LOCK by turning the POWER switch to OFF then ON again to cause a new power-up sequence and another first-seek. If SELECT LOCK still comes on, notify maintenance personnel.

SECTION 2
OFFLINE OPERATIONS, STANDARD SYSTEMS

CAUTION

If any of the procedures described in this section are performed on disk packs containing stored data, that data will be destroyed. Mistakes in following the instructions can destroy data in files other than the one it is intended to address. Proceed with care!

This section contains instructions for initially formatting the disk packs to be used with Standard 1144 systems and for performing the error-correction technique known as bad-spotting, in which one of the alternate tracks available on each disk is substituted for a track which has developed hard address errors due to surface defects. These instructions cover all the necessary steps in both operations but, because of the terminology used, some familiarity with UNIVAC computer installations and Fastrand software on the part of the user is advisable.

1144 "Standard" systems are distinguished from "Modular" systems (covered in Section 3) by the organization of data on the disks; this is described in detail under "Address Translation", below. The easiest way to physically identify the type of system is by the controller Mode Select Panel (Figure 2-1); this panel is considerably different from the one installed in Modular systems.

OFFLINE OPERATIONS IN GENERAL

Offline operations are carried out with the controls on the controller Maintenance Panel (Figure 2-2) and Mode Select Panel (Figure 2-1). The entire disk storage system can be fully exercised in this way; when the Maintenance Panel is used to perform an operation a function word is manually loaded into the input register, and the logic then functions exactly as if the function word had originated with the program online. The Maintenance Panel indicators can be used to monitor the various system registers, data register, output register, disk I/O, etc., while the resulting operation takes place, thus providing a picture of the flow of data and commands through the system. Concurrently, other indicators can be switched to monitor any of the sets of sequence control flip-flops which cycle through their various states as the operation progresses.

The Mode Select Panel is used with the Maintenance Panel to expand the range of operations available.

A single channel controller has one Maintenance Panel and one Mode Select Panel. Dual channel versions use only one Maintenance Panel, which can be switched from one channel to the other, but have two Mode Select Panels, each of which operates with its own channel.

INTERFACE FORMATS

Because operations performed from the controller panels follow the same basic patterns as the same operations carried out under control of the program, knowledge of the word formats, function and status codes, organization of the storage media, etc., is required in order to follow the instructions and interpret the results. The following paragraphs, tables, and illustrations contain such information in abbreviated form, supplementing the detailed instruction tables at the end of this section.

Types of Words

The controller handles four types of words:

- **Function Word** — The function word initiates the operation to be performed. It is accompanied by an External Function (EF) signal and contains the function code and the address at which the specified operation is to start.

- **Identifier Word** — When used, the identifier word follows the function word and is accompanied by a second EF signal. In Search Operations it contains the search argument; in the Write Loop operation it contains the data test pattern.

- **Data Word** — A data word contains the information to be written on or read from the storage file. A data word is requested by the Controller by raising the Output Data Request (ODR) signal, or presented by the controller by raising the Input Data Request (IDR) signal. The controller then expects to see the appropriate acknowledge signal, i.e., Output SAcknowledge (OA) or Input Acknowledge (IA).

- **Status Word** — The status word is generated by the controller and presented with an External Interrupt (EI) signal. The controller expects acknowledgment of receipt of the status word with the IA signal. The status word is used to signal the termination of an operation, state its cause, (e.g., nature of error, abnormal condition or normal completion), and give the address at which the error occurred. Status word formats and status codes are shown in Figure 2-3.

The Function Word

Figure 2-4 shows the formats of function words which can be executed by the 1144 Standard system. The function word consists of two main fields, the *function code* field (bits 30 — 35 in 1108 systems and bits 24 — 29 in 494 systems) and the *address*. Bit allocation in the address field varies, depending

ADVANCE CYLINDER: (OFFLINE)

ON: CYLINDERS ARE ADVANCED AUTOMATICALLY FROM THE SELECTED CYLINDER TO 405 (IN DVR MODE)

OFF: OPERATION STOPS (OR REPEATS WITH RECYCLE ON) WITH LAST HEAD/SECTOR OF SELECTED CYLINDER

ADVANCE HEAD: (OFFLINE)

ON: HEADS ARE ADVANCED AUTOMATICALLY FROM THE SELECTED HEAD TO 19 (IN DVR MODE)

OFF: OPERATION STOPS (OR REPEATS IF "RECYCLE" ON) WITH LAST SECTOR OF SELECTED TRACK

INHIBIT OA/IA: (OFFLINE)

ON: ALL AUTOMATIC ACKNOWLEDGES ARE INHIBITED

OFF: NO ACTION

XFER REGS TO HEADER: (OFFLINE)

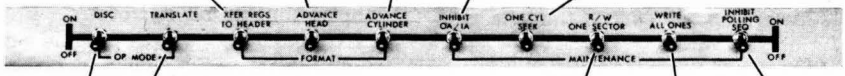
ON: WHEN FORMATTING, CAUSES THE CONTROLLER TO AUTOMATICALLY WRITE IN THE SECTOR ADDRESSES IN NUMERICAL ORDER

OFF: NO ACTION

ONE CYLINDER SEEK (OFFLINE)

ON: CAUSES ALTERNATE SEEKS BETWEEN SELECTED CYLINDER AND NEXT HIGHER CYLINDER. SELECTED CYLINDER MUST BE EVEN. "ADVANCE CYLINDER" MUST BE ON

OFF: NO ACTION



DISC AND TRANSLATE: (ONLINE AND OFFLINE)

SELECT THE ADDRESSING MODE AS FOLLOWS:

DISC SWITCH	TRANSLATE SWITCH	MODE
ON	OFF	DOM (DISK OPERATING MODE)
ON	ON	DOM TRANSLATE
OFF	(ANY)	FEM (FASTRAND EMULATION MODE)

INHIBIT POLLING (ONLINE AND OFFLINE)

ON: INHIBITS POLLING IN DOM OR DOM TRANSLATE MODE

OFF: NO ACTION

WRITE ALL ONES (OFFLINE)

ON: WRITES SOLID CHARACTERS OF ALL ONES FROM SELECTED HEAD AND CYLINDER. A FORMAT OPERATION IN DVR MODE MUST BE INSTITUTED

OFF: NO ACTION

R/W ONE SECTOR (OFFLINE)

ON: READS OR WRITES ONLY THE SECTOR SELECTED

OFF: ALL SECTORS OF A TRACK ARE READ OR WRITTEN. (ALSO SEE "ADVANCE HEAD" AND "ADVANCE CYLINDER")

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Figure 2-1. Mode Select Panel, Standard Systems

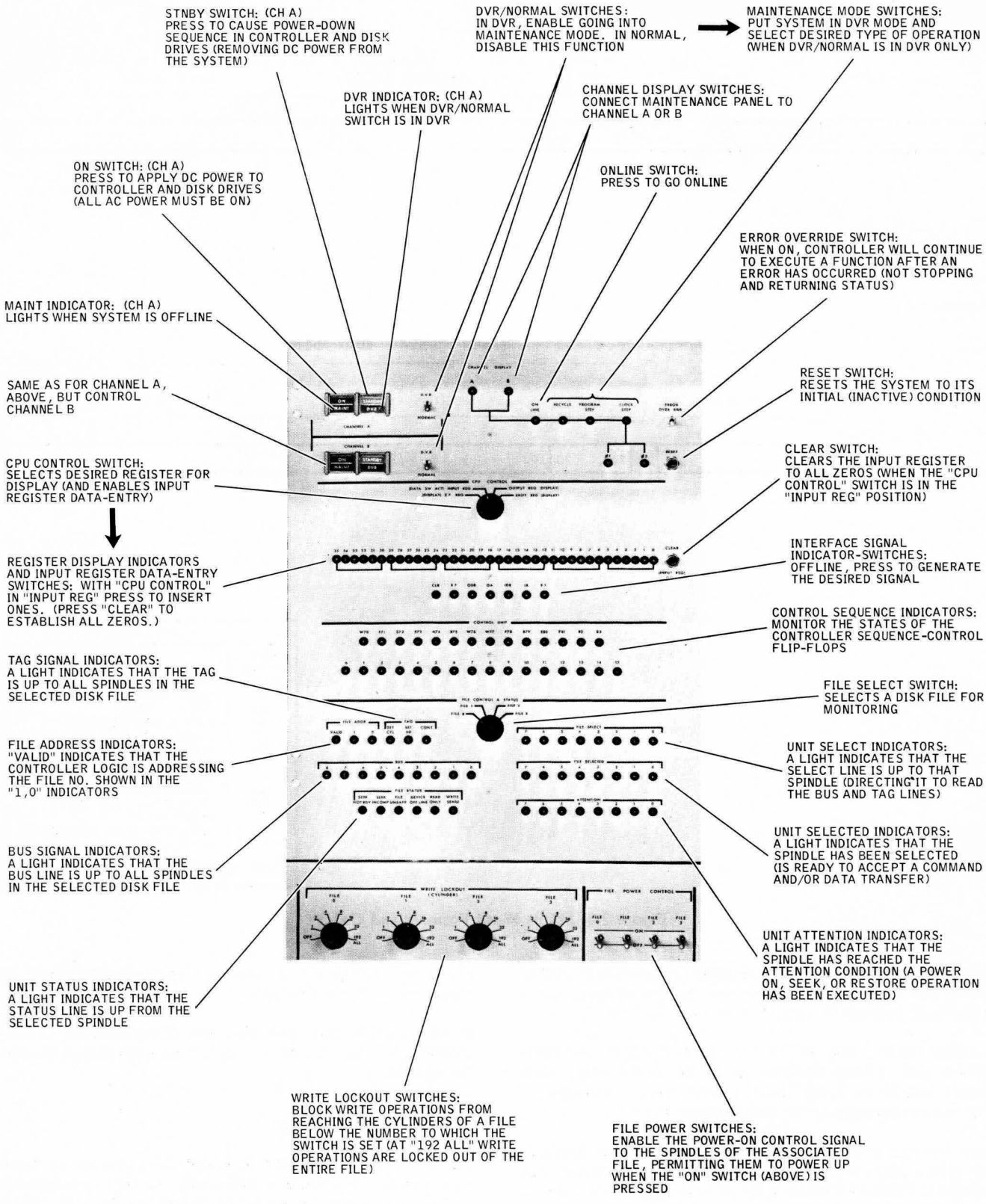
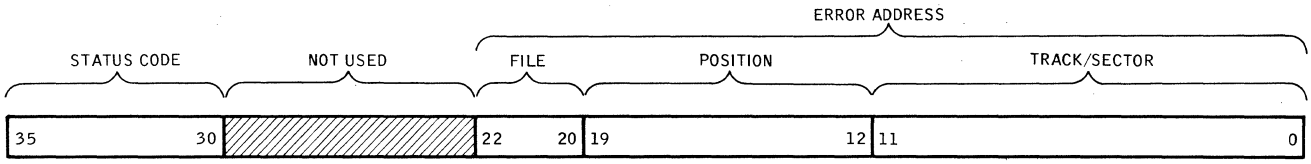
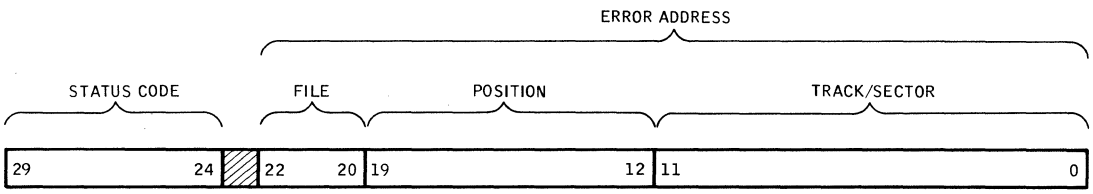


Figure 2-2. Maintenance Panel, Standard Systems

1108 INTERFACE



494 INTERFACE



STATUS CODES	
CODE (OCTAL)	NAME
02	DRIVE BUSY*
04	TIMEOUT/INPUT
05	END-OF-POSITION/INPUT
07	NONRECONSTRUCTIBLE ERROR
14	ADDRESS ERROR
20	LATE ACKNOWLEDGE/OUTPUT
24	END-OF-POSITION/OUTPUT
40	NORMAL COMPLETE
50	INVALID FUNCTION CODE
52	POSITION END
54	NO RESPONSE/WRITE LOCKOUT
60	WRITE ERROR
*USED ONLY WITH DUAL-CHANNEL SYSTEM	

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Figure 2-3. Status Word Formats and Codes

upon which addressing mode is in effect. (These are described below.) The function code determines the type of operation to be executed and can be any of those listed in Table 2-1.

In FEM, online, only ten of the fourteen codes are valid; Reserve and Release function in DOM mode only, while Format and Write Loop function only from diagnostics or when set in manually at the Maintenance Panel.

Note that the controller concludes all operations resulting from a function word, except Position Without Interrupt and Terminate Without Interrupt, by presenting a status word at its output register and an accompanying EI signal.

Also note that in FEM a write, or read operation following a function word can proceed through only as much storage as is represented by the progressive portion of the Address Field (Figure 2-4). To reach other areas, a new file or position, there must be a new function word transmitted from the processor (online) or set into the input register from the Maintenance Panel (offline).

If a bit combination other than one of the function codes is received, it is detected as invalid and an error results aborting the operation.

ADDRESSING MODES

The 1144 Standard system is designed to operate in any of three modes, each using a differently-organized address field in the function word (Figure 2-4). While the controller can be manually switched from one of these modes to another (and often is in offline operations), when operating online only one mode, that for which the software is designed, can be used. The disk packs are initially formatted the same for all three modes but *once data has been stored in one mode it must be retrieved in the same mode.*

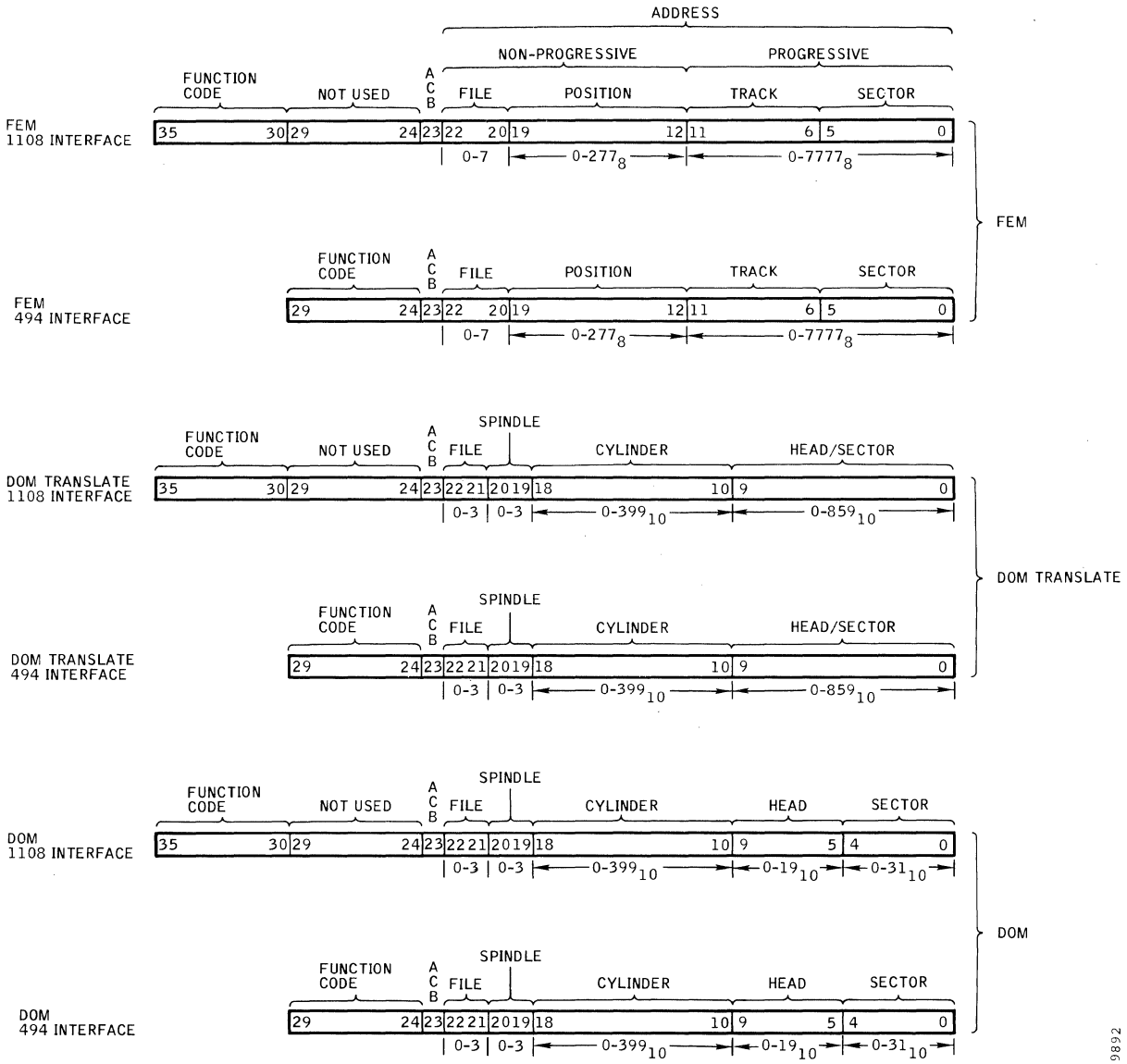

Figure 2-4. Function Word Formats, Standard Systems

FEM (Fastrand Emulation Mode)

When the controller is connected to a UNIVAC installation with unmodified Fastrand software it is operated in FEM and the disk system is then completely transparent to the Fastrand software. In FEM the address field of the function word has the structure shown at the top of Figure 2-4; the subfields of the address match the organization of a UNIVAC Fastrand drum storage system where there are eight accessible files, each with 192 head boom positions, 64 tracks per position, and 64 sectors per track. In the 1144 disk system one track can hold only 43 sectors so the organization of the disk storage cannot be made to exactly parallel that of the UNIVAC Fastrand drums. When operating with Fastrand software, therefore, the address portion of the function word is continuously translated by the controller logic to derive control signals for presentation at the disk interface which match the actual data organization of the disk packs. The address translation process is described in a later paragraph.

With software modifications (or offline) the 1144 system can function in two other modes, DOM Translate, and DOM. (DOM is the abbreviation for Disk Operating Mode.) In both of these modes the address portion (only) of the function word is different from that in Fastrand.

DOM Translate

The function word used in this mode is shown in Figure 2-4. Bits 22 through 10, the file, unit, and cylinder numbers, are already in disk terms and no translation is required. Only the head/sector number, in bits 9 through 0, requires translation.

DOM

In this mode the controller accepts only addresses which are directly in terms of disk organization; the address field of the function word (Figure 2-4) is divided into subfields containing file, unit, cylinder, head and sector numbers which

correspond to the actual data organization scheme on the disks. No translation is required.

DOM is very convenient to use when operating the system offline, since it simplifies gaining access to known areas on the disks.

TABLE 2-1. FUNCTION CODES

Function Code (Octal)	Name
12_8	Write With Interrupt
15_8	Format
20_8	Position Without Interrupt
23_8	Terminate Without Interrupt
24_8	Write Loop
30_8	Position With Interrupt
33_8	Terminate With Interrupt
52_8	Read With Interrupt
54_8	Search Long — First Word
55_8	Search Short — First Word
56_8	Search Long — All Words
57_8	Search Short — All Words
60_8	Reserve (Disk Operating Mode — only)
61_8	Release (Disk Operating Mode — only)
The function codes 15_8 (Format) and 24_8 (Write Loop) are valid only in diagnostic or maintenance mode. Function codes 60_8 (Reserve) and 61_8 (Release) are valid only in DOM.	

ADDRESS TRANSLATION

Translating the Fastrand address to disk when operating in FEM mode is one of the major functions performed by the controller. This is a fairly involved process, primarily because of the difference in the *track length* between the two storage media. In both systems the minimum addressable unit is the sector and Fastrand sectors and disk sectors are substantially the same length. On the Fastrand drum a track holds 64 sectors while a disk track will hold only 43. This means that it is not possible to write one Fastrand track under one head on the disk; after a disk track is filled with 43 sectors of data there must be a head advance and the remaining 21 sectors will go under the new head. Right away this means that the data which had one head number in Fastrand has two in disk, making the two addressing schemes entirely different.

Disk Storage Data Organization

To understand the address translation operations it is first necessary to know how the disks are organized. To begin with, one Fastrand file of data (192 positions X 64 Tracks X 64 Sectors) is stored in three spindles of disks. The three spindles make up one disk file which is divided into five "units" by assigning unit number 0, 1, 2 to the *even* cylinders of all three spindles, then returning to the first and second spindles and making their *odd* cylinders units 3 and 4.

When one Fastrand position of data is written into the disk file, it is stored as shown in Figure 2-5. The first address is Head 0, Sector 0, Spindle 0 of an even-numbered cylinder. Starting here, 43 sectors of the first Fastrand track are written under Head 0, then the logic advances to Head 1 of the same spindle and writes the rest of the Fastrand 64-sector track. Sector 0 of the next Fastrand track starts immediately following under disk Head 1, that disk track is filled, Head 2 is selected, and so on.

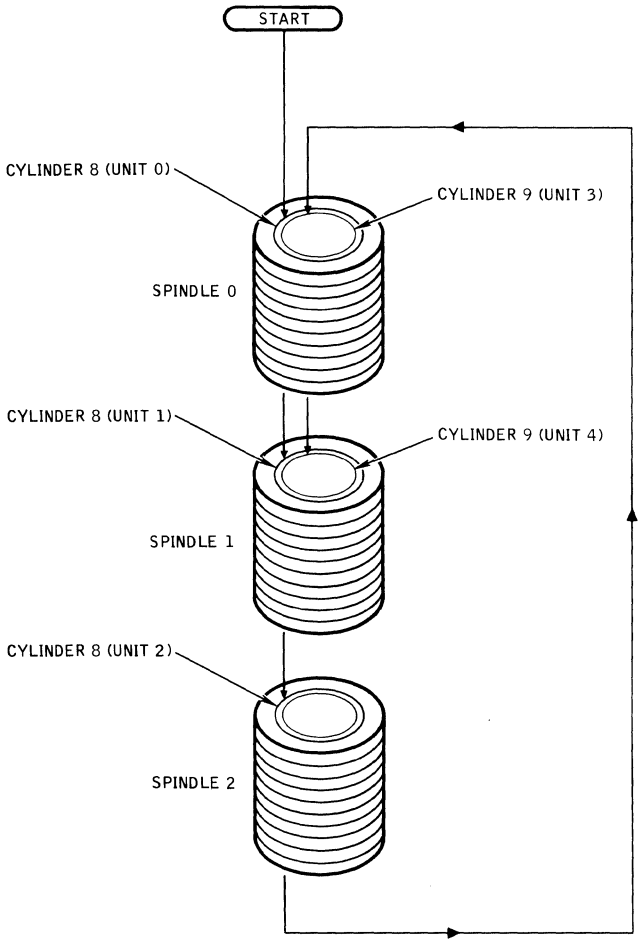

Figure 2-5. Disk Storage Organization for one Fastrand Position, Standard Systems

When 832 sectors (13 Fastrand tracks) have been stored on Spindle 0 (with the last sector under Head 19, disk Sector 14) the unit counter in the controller automatically increments by 1, commanding the drive to select Spindle 1. At the same time the controller head counter resets to zero, having incremented 0 through 19 while successively selecting the twenty heads of Spindle 0. These two operations combine to select the next address, which is Unit 1, Head 0, Sector 0.

The process continues with only head changes (no repositioning) until the last head (No. 19) on the third spindle is reached. (This disk address is Unit 2, Head 19, Sector 14.) At this point, although there is no position command from the processor, the controller logic automatically causes the disks to reposition to the next adjacent *odd* cylinder and reselects Head 0 of the first spindle (head counter resets). At this point, the disk address is now Unit 3, Head 0, Sector 0, and the balance of the Fastrand position is stored on the odd cylinders of the first and second spindles. The last sector of the Fastrand position is stored at Sector 36 of the track under Head 17, Spindle 1. The last two heads of the odd cylinders of Spindle 1 and all the odd cylinders of Spindle 2 are not used.

Summarizing, we see that three spindles of disk storage hold one Fastrand file; within the file a unique five-cylinder area is assigned to a Fastrand position; each of these areas consists of three even-numbered cylinders, one on each spindle, and the two adjacent odd cylinders of Spindles 0 and 1. For address identification the five subdivisions of each position are called "units" and numbered 0 through 4. The first four units, 0 through 3, hold 832 Fastrand sectors (13 Fastrand tracks) each; this leaves 768 sectors to be stored in Unit 4, making the last sector (end of file) fall at disk address: Unit 4, Head 17, Sector 36.

When the controller is operating in FEM mode and a starting address is received in Fastrand (in the function word), it must be translated into disk terms to reach the corresponding location within the disk file. The controller makes this translation automatically at logic speed when operating online so the system is transparent to the Fastrand software. However, in offline operations, particularly when bad-spotting to correct for disk surface errors, it is sometimes necessary for the operator to make his own address translations. Methods for doing this are described in the following paragraphs.

Note

One advantage of the Standard 1144 system is that it will also operate in DOM (disk-addressed) mode. Many offline operations can be done in this mode; when this is done, there is no necessity for translating the input address, it is already in terms of disk unit, cylinder, head and sector.

Translation Method, FEM

The operator can make address translations as shown in the algorithms of Figures 2-6 and 2-7 or can use Table 2-2, a list of equivalent addresses for Sector 0 of each track.

The file number needs no translation. Each disk file stores one Fastrand file of data so the numbers are the same in the function word address or in the disk address.

The unit number must be derived first: Divide the track/sector field (bits 0–11) by 832 (number of sectors assigned to each disk unit). The quotient is the unit number and the remainder contains the head and sector numbers to be extracted later.

The spindle on which the addressed sector is located can be obtained directly from the unit number as shown in Figure 2-6 and Table 2-2. (Refer to the description of the disk data organization, above.)

The cylinder is derived directly from the Fastrand position number. For units 0, 1, 2 the cylinder is twice the position number, for units 3 and 4 it is position X 2 plus 1.

Head and sector are obtained from the remainder from the unit number division; this is divided by 43 (number of sectors in the track under each head). The quotient is the head number and the remainder is the sector.

Translation Method, DOM

In straight DOM there is no translation as the function word address contains the disk file, spindle, cylinder, head and sector directly in binary.

In DOM Translate, however, head and sector are both contained in one continuous binary number (bits 0–9). This is to use the full capacity of these bits. To convert this portion of the DOM Translate address to disk divide it by 43, as in the last two steps of the FEM translation (Figure 2-6). The quotient is the head and the remainder is the sector.

FORMATTING

Formatting (procedure in Table 2-3) is the process of structuring the magnetic surfaces of the disks so that they are divided into known areas, each with its address written in. Only after this has been done can a disk pack be used for storage. An unformatted disk pack, one whose magnetic surfaces are blank or random, will not accept write or read operations.

Although the 1144 disk storage system is, in operation, transparent to the Fastrand software, it nevertheless has its own, unique, disk format which is not the same as that of the Fastrand drum, or of other disk systems. Formatting is, therefore, a special process that is performed offline, with control settings and data-entry done manually, at the controller.

In the 1144 system the disks are formatted by dividing the tracks into sectors, with the disk address of each sector written into the portion that first comes under the read/write head as the disk rotates. This is called the sector header; it is immediately followed by the data field of the sector. The data fields of all sectors are left blank when formatted, to be filled with data in a later write operation. The controller itself generates the sector addresses which are written in during formatting; they derive from a constantly-incrementing set of registers which are enabled whenever a Format code is entered into the controller input register and the operation started.

ALGORITHM I

ARITHMETIC CONVERSION OF FASTRAND FUNCTION WORD ADDRESS TO DISK ADDRESS (STANDARD SYSTEMS, FEM MODE)

METHOD	EXAMPLE
1. NOTE DOWN THE FUNCTION WORD ADDRESS IN OCTAL AND DECIMAL	FILE 2, 2335437_8 FILE 2, POSITION 155, TRACK/SEC 2847
2. FILE NO. NO CONVERSION DISK FILE = FASTRAND FILE	FILE = [2]
3. UNIT $\frac{\text{TRACK/SECTOR}}{832} = U + R_1$	$\frac{2847}{832}$ = 3 (REMAINDER, 351) UNIT = [3]
4. SPINDLE FOR UNIT 0 → SPINDLE IS 0 1 → 1 2 → 2 3 → 0 4 → 1	UNIT 3 (FROM STEP 3) SPINDLE = [0]
5. CYLINDER FOR UNITS 0, 1, 2: CYLINDER = POSITION X 2 FOR UNITS 3, 4: CYLINDER = (POSITION X 2) + 1	POS 155 (STEP 1), UNIT 3 (STEP 3) SO: (155 X 2) + 1 = 311 CYLINDER = [311]
6. HEAD $\frac{R_1}{43} = H + R_2$	R_1 (FROM STEP 3) = 351 $\frac{351}{43}$ = 8 (REMAINDER, 7) HEAD = [8]
7. SECTOR SECTOR = R_2	R_2 (FROM STEP 6) = 7 SECTOR = [7]

THEREFORE THE DISK ADDRESS FOR THE EXAMPLE GIVEN IS:
FILE 2, UNIT 3, CYLINDER 311, HEAD 8, SECTOR 7

AND THIS SECTOR IS PHYSICALLY LOCATED ON SPINDLE 0, IN ONE OF ITS ODD CYLINDERS

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Figure 2-6. Algorithm I, Arithmetic Conversion of Fastrand Function Word Address to Disk Address (Standard Systems — FEM Mode)

ALGORITHM II

ARITHMETIC CONVERSION OF DISK ADDRESS TO FASTRAND FUNCTION WORD ADDRESS (STANDARD SYSTEMS, FEM MODE)

METHOD	EXAMPLE
1. NOTE DOWN THE DISK ADDRESS IN DECIMAL	FILE 1, UNIT 4, CYL 383, HEAD 17, SEC 36
2. FILE NO. NO CONVERSION FASTRAND FILE = DISK FILE	FILE = 1
3. POSITION UNIT 0, 1, 2: POS = $\frac{CYL}{2}$ UNIT 3, 4: POS = $\frac{CYL - 1}{2}$	UNIT 4 (STEP 1) SO: POS = $\frac{383 - 1}{2}$ = 191
4. TRACK/SECTOR T/S = 832U + 43H + S WHERE: U = UNIT NO. H = HEAD NO. S = SECTOR NO.	TRACK/SECTOR = (832 X 4) + (43 X 17) + 36 = 4,095

THEREFORE THE FASTRAND ADDRESS FOR THE EXAMPLE GIVEN IS:

FILE 1, POSITION 191, TRACK/SECTOR 4095

OR, IN OCTAL, FOR ENTERING INTO THE INPUT REGISTER:

FILE 1, 2777777

NOTE: THIS EXAMPLE ADDRESS IS "END OF FILE", THE LAST SECTOR OF THE LAST FASTRAND POSITION IN THE FILE. PHYSICALLY, ON THE DISKS, IT WILL BE SECTOR 36 OF THE TRACK UNDER HEAD 17, CYLINDER 383 (ODD) OF SPINDLE 1. (SEE DIAGRAM OF DISK STORAGE ORGANIZATION.)

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Figure 2-7. Algorithm II, Arithmetic Conversion of Disk Address to Fastrand Function Word Address (Standard Systems — FEM Mode)

TABLE 2-2. FASTRAND FUNCTION WORD AND DISK EQUIVALENT ADDRESSES FOR SECTOR 0 OF EACH TRACK FOR ONE FILE (STANDARD SYSTEMS)

Note

This table lists all the track addresses (for Sector 0). Usually these will be sufficient for maintenance operations, since bad-spotting is done for whole tracks.

The function word equivalents for other sectors can be obtained by subtracting the listed track/sector number from that in the address when going from function word to disk, and by adding the sector number to the listed track/sector when going from disk to function word. Cylinder numbers are derived from the function word position number by performing the computation indicated in the "Cylinder" column.

Track/Sector		Spindle	Cylinder	Head		DOM Translate Head/Sector (Octal)
Octal	Decimal			Dec	Oct	
0000	0000	0	POS X 2	0		0
0053	0043	0	POS X 2	0	1	53
0126	0086	0	POS X 2	2	2	126
0201	0129	0	POS X 2	3	3	201
0254	0172	0	POS X 2	4	4	254
0327	0215	0	POS X 2	5	5	327
0402	0258	0	POS X 2	6	6	402
0455	0301	0	POS X 2	7	7	455
0530	0344	0	POS X 2	8	10	530
0603	0387	0	POS X 2	9	11	603
0656	0430	0	POS X 2	10	12	656
0731	0473	0	POS X 2	11	13	731
1004	0516	0	POS X 2	12	14	1004
1057	0559	0	POS X 2	13	14	1057
1132	0602	0	POS X 2	14	16	1132
1205	0645	0	POS X 2	15	17	1205
1258	0688	0	POS X 2	16	20	1260
1333	0731	0	POS X 2	17	21	1333
1406	0774	0	POS X 2	18	22	1406
1461	0817	0	POS X 2	19	23	1461
1500	0832	1	POS X 2	0	0	0
1553	0875	1	POS X 2	1	1	53
1626	0918	1	POS X 2	2	2	126
1701	0961	1	POS X 2	3	3	201
1754	1004	1	POS X 2	4	4	254
2027	1047	1	POS X 2	5	5	327
2102	1090	1	POS X 2	6	6	402
2155	1133	1	POS X 2	7	7	455
2228	1176	1	POS X 2	8	10	530
2303	1219	1	POS X 2	9	11	603
2356	1262	1	POS X 2	10	12	656
2431	1305	1	POS X 2	11	13	731
2504	1348	1	POS X 2	12	14	1004
2557	1391	1	POS X 2	13	15	1057
2632	1434	1	POS X 2	14	16	1132
2705	1477	1	POS X 2	15	17	1205
2758	1520	1	POS X 2	16	20	1260
3033	1563	1	POS X 2	17	21	1333
3106	1606	1	POS X 2	18	22	1406
3161	1649	1	POS X 2	19	23	1461

TABLE 2-2. (Continued)

Track/Sector		Spindle	Cylinder	Head		DOM Translate Head/Sector (Octal)
Octal	Decimal			Dec	Oct	
3200	1664	2	POS X 2	0	0	0
3253	1707	2	POS X 2	1	1	53
3326	1750	2	POS X 2	2	2	126
3401	1793	2	POS X 2	3	3	201
3454	1836	2	POS X 2	4	4	254
3527	1879	2	POS X 2	5	5	327
3602	1922	2	POS X 2	6	6	402
3655	1965	2	POS X 2	7	7	455
3728	2008	2	POS X 2	8	10	530
4003	2051	2	POS X 2	9	11	603
4056	2094	2	POS X 2	10	12	656
4131	2137	2	POS X 2	11	13	731
4204	2180	2	POS X 2	12	14	1004
4257	2223	2	POS X 2	13	15	1057
4332	2266	2	POS X 2	14	16	1132
4405	2309	2	POS X 2	15	17	1205
4458	2352	2	POS X 2	16	20	1260
4533	2395	2	POS X 2	17	21	1333
4606	2438	2	POS X 2	18	22	1406
4661	2481	2	POS X 2	19	23	1461
4700	2496	0	(POS X 2) + 1	0	0	0
4753	2539	0	(POS X 2) + 1	1	1	53
5026	2582	0	(POS X 2) + 1	2	2	126
5101	2625	0	(POS X 2) + 1	3	3	201
5154	2668	0	(POS X 2) + 1	4	4	254
5227	2711	0	(POS X 2) + 1	5	5	327
5302	2754	0	(POS X 2) + 1	6	6	402
5355	2797	0	(POS X 2) + 1	7	7	455
5428	2840	0	(POS X 2) + 1	8	10	530
5503	2883	0	(POS X 2(+ 1	9	11	603
5556	2926	0	(POS X 2) + 1	10	12	656
5631	2969	0	(POS X 2) + 1	11	13	731
5704	3012	0	(POS X 2) + 1	12	14	1004
5757	3055	0	(POS X 2) + 1	13	15	1057
6032	3098	0	(POS X 2) + 1	14	16	1132
6105	3141	0	(POS X 2) + 1	15	17	1205
6158	3184	0	(POS X 2) + 1	16	20	1260
6233	3227	0	(POS X 2) + 1	17	21	1333
6306	3270	0	(POS X 2) + 1	18	22	1406
6361	3313	0	(POS X 2) + 1	19	23	1461
6400	3328	1	(POS X 2) + 1	0	0	0
6453	3371	1	(POS X 2) + 1	1	1	53
6526	3414	1	(POS X 2) + 1	2	2	126
6601	3457	1	(POS X 2) + 1	3	3	201
6654	3500	1	(POS X 2) + 1	4	4	254
6727	3543	1	(POS X 2) + 1	5	5	327
7002	3586	1	(POS X 2) + 1	6	6	402
7055	3629	1	(POS X 2) + 1	7	7	455
7128	3672	1	(POS X 2) + 1	8	10	530

TABLE 2-2. (Continued)

Track/Sector		Spindle	Cylinder	Head		DOM Translate Head/Sector (Octal)
Octal	Decimal			Dec	Oct	
7203	3715	1	(POS X 2) + 1	9	11	603
7256	3758	1	(POS X 2) + 1	10	12	656
7331	3801	1	(POS X 2) + 1	11	13	731
7404	3844	1	(POS X 2) + 1	12	14	1004
7457	3887	1	(POS X 2) + 1	13	15	1057
7532	3930	1	(POS X 2) + 1	14	16	1132
7405	3973	1	(POS X 2) + 1	15	17	1205
7658	4016	1	(POS X 2) + 1	16	20	1260
7733	4059	1	(POS X 2) + 1	17	21	1333
7777	4095	1	(POS X 2) + 1	17	21	1377 End of Position

Note

Disk packs that have been previously used for storage may be reformatted; the format information is no more (or less) permanent than any other data recorded on the disk surface. Reformatting, of course, wipes out any previously recorded data.

Formatting is always in DOM (Disk Operating Mode) and the disk packs of a file are formatted beginning with Cylinder 0, Head 0, Sector 0 of each spindle, first numbering the sectors of the track under Head 0 up to 42, then proceeding through the twenty heads of that cylinder and repeating the process for each of the 406 cylinders in the spindle. Thus, the recorded addresses of the sectors identify only their locations within a spindle and when formatting is complete each disk pack will be exactly like all others in its addressing. File and unit (spindle) numbers are not recorded on the disks. This fact has bearing on the formatting procedure because it means that the physical location of a spindle within a file has no effect on formatting and disk packs may be formatted mounted on any spindles which are convenient, then removed and stored for later use. This is true as far as formatting goes; however, once the disk packs have been written into the situation is different, therefore the following caution.

CAUTION

Formatted (and not written into) disk packs may be used interchangeably; the internal addressing of all formatted packs is the same. ***However,*** *once the three packs of a file have been written into, they become a set and, if removed from the spindles, must be replaced in the same locations. Otherwise the addressing within the file will be completely disorganized and unuseable. If a write operation were directed to a file whose disk packs had been assembled incorrectly, data would be destroyed.*

Address Considerations When Formatting

During all format operations the system is operated in DOM Addressing mode; this mode was chosen because it is by far the best and most convenient. However, DOM operation imposes certain limitations and requires that the data organization of the disks be kept in mind when using it.

To begin with, note from Figure 2-4 that the DOM address (DOM or DOM Translate) holds only two bits in its file number field and thus only four files (0-3) can be addressed. In FEM, on the other hand, there can be eight files and all are addressable. This means that, in a system installation with more than four files, those higher than 3 cannot be addressed when formatting. In practice, however, this limitation is of no importance (other than that it must be remembered). When formatting a library of disk packs it is best to select a single file for the purpose, install a set of three packs on its spindles, format them, and remove them. Then format another set of three on the same file, and so on. Recall from the preceding discussion that all packs are identical once formatted; it is only after they are used for storage that they become permanently identified with their file and spindles. In the detailed instructions for formatting (Table 2-3) we use file 0 for this purpose; the operation is much simplified. Any file from 0 to 3 can be used in the same way, and if the system contains four or less files with all packs permanently mounted, they can be formatted in place. For the starting address of each file simply place the file number in bits 21-22, with all zeros in all other address bits (0-20). This will start the operation at Spindle 0, Cylinder 0, Head 0, Sector 0 of the file (as it must be) and formatting will then proceed automatically throughout the file as the instructions are followed.

BAD-SPOTTING

The bad-spotting technique (detailed procedure in Table 2-4) is used to correct for "hard" (non-reconstructable) address errors that may develop in a disk pack. When successive attempts to access the same area on the pack result in address error status this is called a hard address error; it means that

there is a defect in the magnetic surface of the disk at that spot. To avoid discarding the entire disk pack, the pack is bad-spotted, i.e., one of the alternate tracks provided on each pack is substituted for the track at which the error has occurred. Even if the error occurs at only a single sector it is always the whole track which is replaced.

An alternate track is substituted for a defective one by first reformatting the defective track so that all its sector headers contain a special code instead of the addresses which were written into them when the pack was originally formatted. This special code consists of the defective flag bit (bit 23) and the cylinder number of the alternate track which has been chosen as a replacement. When the defective track has been thus reformatted, then the chosen alternate track is formatted with the *original* addresses that were in the defective track, making the alternate track a duplicate of the one which was defective.

This completes the bad-spotting procedure; when a pack which has been treated in this way is placed back in service, special circuits built into the controller will automatically write, read, or search the alternate track instead of the defective one. What happens is that the controller, when it receives a function with an address directed to the alternate track, obediently seeks to the designated cylinder and starts to read from the designated head. However, the read immediately detects the defective flag, followed by the number of the cylinder which contains the alternate track. (Note that the defective code is read only by the controller, not transmitted to the program.) The controller then suspends execution of the operation while it initiates its own re-seek to the alternate cylinder. This places the read head over the alternate track and the operation then continues on the alternate track. When it is complete there is another automatic seek back to the original cylinder and the operation proceeds through the balance of the pack as directed. The only effect on execution of the function is the delay inserted by the mechanical repositioning of the heads to the alternate track and back, and this is within operating parameters. The program does not know that the substitution has taken place.

Address Translation in Bad-Spotting

The fact that, in FEM mode, Fastrand addresses received in the function word must be translated into disk terms for any operation to take place becomes important to the operator when he is performing the bad-spot procedure. Online, of course, the controller makes this translation and it can be ignored by both the operator and the program. Simple formatting (as described previously) is carried out entirely in DOM, so that Fastrand addresses need not be considered. However, when operating in FEM, the hard address error that is discovered, and makes bad-spotting necessary, will be in Fastrand, observed as the error address returned in the status word along with the address error status code (see Figure 2-3). The operator must translate this to disk and then use the disk (DOM) version to reformat the defective track and the alternate track. The problem is simplified, however, by the fact that only whole tracks are to be reformatted, not single sectors. Once the defective track is known, its reformatting can (in fact, must) begin with Sector 0 of the track, and formatting will then automatically proceed throughout the track. Sector 0 addresses for all tracks are listed in Table 2-2.

Table 2-3. FORMATTING PROCEDURE

Preliminary:

1. This procedure must be performed with the controller offline, that is, in DVR (Maintenance) mode. If the controller is a dual-channel model, both channels must be placed offline. The operations will run on one channel with the other operating online but there is a danger of interference and data-loss.

   From online, the DVR condition is placed in effect by selecting a channel with the CHANNEL DISPLAY switch (A or B), putting the DVR/NORMAL switch for that channel in DVR and pressing either PROGRAM STEP, RECYCLE or CLOCK STEP. The MAINT indicator will light, indicating that the offline state is in effect. For dual-channel machines, be sure that both MAINT indicators are lighted before proceeding.

   If the controller is in Standby (STNBY indicator lighted) at the start, press ON to power up the system, including the drives (see Section 1), and then set in the DVR condition at both channels.

2. Once offline, power down the drives of file 0 and install three of the disk packs to be formatted on the spindles of file 0. (If less than three packs are to be formatted, install them on the *lowest-numbered* spindles.) Power up these drives and observe first-seeks.

3. If other drives (other files) are connected in the system, put them in the Read Only state (READ ONLY switches on).

4. All controls used to format are on either the Mode Select Panel (Figure 2-1) or the Maintenance Panel (Figure 2-2). Either channel of a dual-channel system may be used to format. (For single-channel machines select A.)

5. If any indication is not as described repeat from Step 1, checking the control settings carefully. If the error repeats, notify maintenance personnel.

TABLE 2-3. FORMATTING PROCEDURE (Continued)

Operation	Details
1. Check control settings and indicators	On the Maintenace Panel: *Indicators* MAINT and DVR should be on, STNBY and ONLINE off. *Switches* DVR (both) on, ERROR OVERRIDE off. On the Mode Select Panel: *Switches* ADVANCE HEAD, ADVANCE CYLINDER, INHIBIT OA/IA, WRITE ALL ONES, R/W ONE SECTOR, and ONE CYL SEEK must be off. Other switches and indicators may be in any state.
2. Set up Format mode	Put DISC, XFER REGS TO HEADER, and INHIBIT POLLING on. Press RECYCLE. Observe RECYCLE indicator light.
3. Load Format function	Position the CPU CONTROL switch to INPUT REG. Press CLEAR switch. Using the INPUT REGISTER DATA-ENTRY switches as directed in Figure 2-2, load Format code 15_8 (001101) into the function code bits (Figure 2-4) of the input register. **Note:** *The address bits, 0–22, are left all zeros. This makes the starting address file 0, unit 0, cylinder 0, head 0, sector 0, and will start formatting at the first sector of the three disk packs installed in file 0.*
4. Execute the function	Press EF. Observe that the F78 indicator lights and that the format sequence runs as indicated by cycling through indicators 0–6 in the lower row of Control Sequence Indicators. Press CLEAR to clear the input register. Note that formatting continues (indicators continue to cycle). **Note:** *At this point, if all indications are as stated, the first track of the disk pack on spindle 0 is being formatted. The operation goes through the track, then, because RECYCLE is on, returns to sector 0 and repeats.*
5. Extend formatting through the file	Turn on, in order: ADVANCE HEAD ADVANCE CYLINDER Press PROGRAM STEP **Note:** *Now the operation will proceed through all heads and cylinders of spindle 0, then spindles 1 and 2. Because PROGRAM STEP is now on, the operation will not repeat but will stop at the last sector of spindle 2.*
6. Verify status	Observe the indicators and when formatting is complete, as evidenced by cessation of activity, turn the CPU CONTROL switch to OUTPUT REG. From the REGISTER DISPLAY indicators, read the status code in the status bits (Figure 2-3). The code should be Normal Complete, 40_8 (100000).
7. Validate	Refer to Table 2-5 and perform a Write/Read Check, using as the starting address: file 0, unit 0, cylinder 0, head 0, sector 0 (all zeros in bits 0–22). If the check proceeds correctly the packs have been satisfactorily formatted.
8. Format other packs	Remove the packs which have been formatted and install others in file 0. Power up the drives. Return to Step 1, above, and make all control settings as there listed (ADVANCE HEAD and ADVANCE CYLINDER off, RECYCLE on). Repeat the procedure from Step 1 on.

TABLE 2-4. BAD-SPOTTING PROCEDURE

Preliminary:

1. Bad-spotting is a special use of the formatting function and, therefore, all the preliminary instructions for formatting apply. Refer to the preliminary instructions of Table 2-3 and place the controller offline, in DVR mode, and with all files not to be accessed in the Read Only state as there described.

2. Take any available measures to preserve the data recorded on the pack which has the defective track. If a backup pack is on file it will serve the purpose, of course. If there is no backup then the data in the defective track is lost. If the track data can be regenerated it can be replaced in the pack by a write operation after bad-spotting is complete.

3. Carefully determine and verify the address at which the hard address error has occurred; it is the basis for the bad-spotting procedure. The Write/Read Check (Table 2-5) can be used for this purpose. Direct successive write or read functions to the error address and if the error repeats, bad-spotting is necessary.

4. IF THE DEFECTIVE PACK IS LOCATED IN A FILE NUMBERED HIGHER THAN THREE, IT MUST BE MOVED TO FILE 3 OR LOWER IN ORDER TO BAD-SPOT IT. This is because, in DOM addressing mode, which must be used for formatting, there are only two bits in the file address field, meaning that only files 0–3 can be addressed offline. When moving a pack to a lower file for this purpose it *must* be located in the same numbered spindle of the new file as it was of the old. In Standard systems the three packs of a file are addressed as a matched set and must be kept in the same order.

   Moving the pack will require that the new file number be used in the error address instead of the old. The rest of the address field will be used unchanged.

5. In 1144 Standard systems cylinders 400 through 405 have been reserved for use as alternate cylinders in bad-spotting; any one may be selected (assuming it has not been used for a previous bad-spotting operation under the same head).

Operation	Details
1. Check control settings and indicators	On the Maintenance Panel: *Indicators* MAINT and DVR should be on, STNBY and ONLINE off. *Switches* DVR (both) on, ERROR OVERRIDE off. On the Mode Select Panel: TRANSLATE, ADVANCE HEAD, ADVANCE CYLINDER, INHIBIT OA/IA, WRITE ALL ONES, R/W ONE SECTOR, and ONE CYL SEEK must be off. Other switches and indicators may be in any state.
2. Set up Format mode	Put DISC, XFER REGS TO HEADER, and INHIBIT POLLING on. Press RECYCLE. Observe RECYCLE indicator light.
3. Convert the error address to DOM and to sector 0 of the same track.	In Table 2-2, find the *next lower* address below the error address and read its disk equivalent (spindle, cylinder, and head) from the table. These numbers, in octal, together with the file number, which is unchanged in translation, are the DOM address of sector 0 of the defective track. **Note:** *Figure 2-8 shows this conversion for an error address in FEM of: File 2, Position 55, Track/Sector 3877. The error address, as it will appear in the status word, is shown at A and its conversion to DOM and sector 0 is at B.*
4. Load a Format function directed to the defective track.	Position the CPU CONTROL switch to INPUT REG. Press CLEAR. Using the INPUT REGISTER DATA-ENTRY switches as directed in Figure 2-2, load Format code 15_8 (001101) into the function code bits of the input register. Load the DOM address of sector 0 of the defective track as obtained in Step 3 into bits 5–22. (B, Figure 2-8, is an example of this type of entry.)
5. Execute the function	Press EF. Observe that the F78 indicator lights and that the format sequence runs as indicated by cycling through indicators 0–6 in the bottom row of Control Sequence Indicators.

TABLE 2-4. BAD-SPOTTING PROCEDURE (Continued)

Operation	Details
6. Re-format the defective track with the "defective track" pattern.	Press CLEAR to clear the input register. Note that formatting continues to cycle through the indicators. Load a "1" in bit 26 (the defective flag) and load the cylinder number of the alternate cylinder which has been chosen into bits 27–35. **Note:** *A typical defective track pattern load is shown at C, Figure 2-8.*
	Note *Sine RECYCLE is on, the format function whose execution began in Step 5 continues to cycle through the defective track and repeat. When the input register bits are changed at Step 6 to the defective track pattern, this pattern is written into bits 26–35 of the header words of all sectors of the track. Any subsequent function directed to this track will detect the defective flag and an automatic re-seek to the cylinder whose number is in bits 27–35 will occur before the function is executed.*
7. Stop and verify status	Press PROGRAM STEP. Note operation stops. Turn the CPU CONTROL switch to OUTPUT REG. From the REGISTER DISPLAY indicators, read the status code in the status bits (Figure 2-3). The code should be Normal Complete, 40_8 (100000).
8. Load a Seek function directed to the alternate track	Position the CPU CONTROL switch to INPUT REG. Press CLEAR. Using the INPUT REGISTER DATA-ENTRY switches, load a Position code, 30_8, in the function code field and the address of the chosen alternate cylinder in bits 10–22 (File, Spindle, and Cylinder only, Head and Sector are left zeros). **Note:** *A load of this type, for alternate cylinder 400, is shown at D, Figure 2-8.*
9. Execute the Seek function and verify status	Press EF. The disks should seek to the desired cylinder. Turn CPU CONTROL to OUTPUT REG and observe Normal Complete, 40_8, in the status field.
10. Load a Format function directed to the alternate track.	Press RECYCLE. Note RECYCLE lights. Turn CPU CONTROL to INPUT REG. Load Format code 15_8 in the function code field, the *address of the original defective track* in bits 5–22 (sector left zero), and *a one in bit 23.* **Note:** *A load like this, designed to format an alternate track, is shown at E, Figure 2-8. The "1" in bit 23 inhibits positioning, so that even though the cylinder of the defective track is in the address, the disk heads will remain at the alternate cylinder.*
11. Execute	Press EF. Note a format function cycles through F78 and 0–6. (Disks do not seek)
12. Stop and verify status.	Press PROGRAM STEP. Turn CPU CONTROL to OUTPUT REG and observe Normal Complete, 40_8, in the status field.
	Note *This completes the bad-spotting operation. The defective track has been formatted with the defective track pattern and the alternate track has been formatted to simulate the sector addresses of the original defective track. A function directed to the defective track should result in an automatic re-seek to the alternate track and the function should complete there. Check this as follows.*

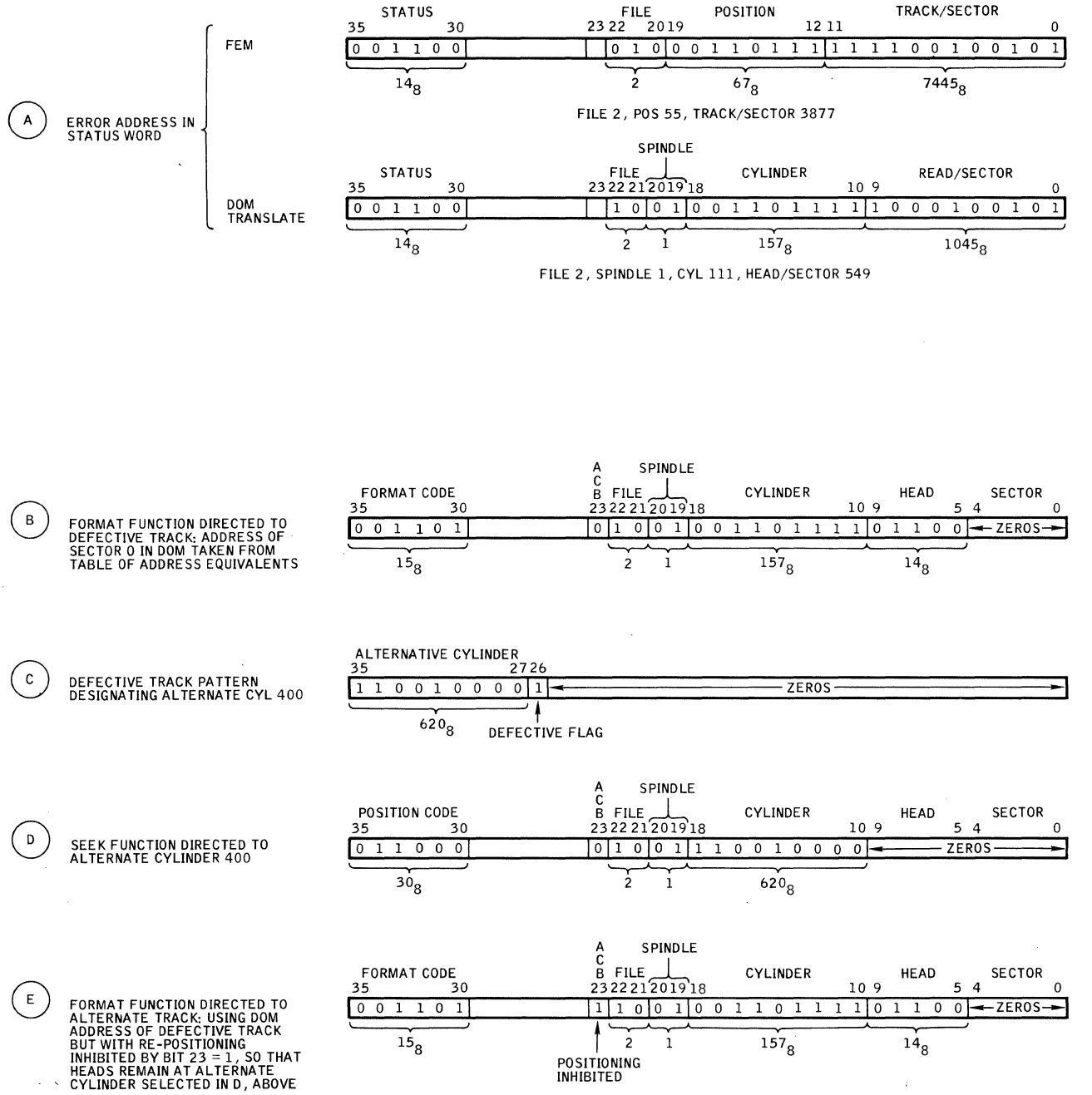


Figure 2-8. Example of Function and Address Entries for a Bad-Spotting Operation (Standard Systems)

TABLE 2-4. BAD-SPOTTING PROCEDURE (Continued)

Operation	Details
13. Validate the bad-spot	Refer to Table 2-5 and do a read/write check, using as the starting address the sector 0 address of the defective track as obtained in Step 3, above. During the Read/Write check, leave RECYCLE on and advance head and ADVANCE CYLINDER off. The bit pattern should read out as written in and the disk drive should do repeated re-seeks between the defective track and the alternate as the function is re-initiated at each cycle.
14. Label the disk pack	The fact that the pack has been bad-spotted should be recorded and the numbers of the defective track and alternate used to bad-spot noted down. There are two reasons for this: If another bad-spot operation should have to be performed on the same pack, the fact that one alternate has been used will be necessary information. Also, if the pack should ever be re-formatted, the bad-spotting will be wiped out and the address error at the defective track will reappear. If this is known in advance the pack can be bad-spotted again before it is used for storage.

TABLE 2-5. WRITE/READ CHECK

Preliminary:

1. Use this check to verify that the disks of a pack, or packs, are in condition for storage and retrieval of data, i.e., correctly formatted and without surface errors. (Previously-recorded data will be destroyed.)

2. The starting address for this operation may be any and it may be inserted in any of the three addressing modes (see "Addressing Modes" in the text). If one is checking newly-formatted disk packs the address should be the first sector of the file (unit 0, cylinder 0, head 0, sector 0). If the presence of a hard address error on a track is being verified (see "Bad-Spotting") use the sector 0 address of the track, selected from Table 2-2; then leave ADVANCE HEAD and ADVANCE CYLINDER off and the write or read will be confined to the track.

3. This procedure must be performed with the controller offline, that is, in DVR (maintenance) mode. If the controller is a dual-channel model, both channels must be placed offline. The operations will *run* on one channel with the other operating online but there is danger of interference and data loss.

   From online, the DVR condition is placed in effect by selecting a channel with the CHANNEL DISPLAY switch (A or B), putting the DVR/NORMAL switch for that channel in DVR and pressing either PROGRAM STEP, RECYCLE, or CLOCK STEP. The MAINT indicator will light, indicating that the offline state is in effect. For dual-channel machines, be sure that both MAINT indicators are lighted before proceeding.

4. Install the disk packs to be tested on the spindles of one file. (All files may be checked if desired, but remember that this check destroys any previously recorded data.) Power up the system if it is in Standby by pressing the ON button and when STNBY goes out, go into DVR mode as described above.

5. Controls used are on the Mode Select Panel (Figure 2-1) or the Maintenance Panel (Figure 2-2).

6. If any indication is not as described, repeat from Step 1. If still in error notify maintenance personnel.

Operation	Details
1. Check control settings and indicators	On the Maintenance Panel: *Indicators* MAINT and DVR should be on, STNBY and ONLINE off. *Switches* DVR (both) and ERROR OVERRIDE off. On the Mode Select Panel: DISC and TRANSLATE set to select the addressing mode desired (see Figure 2-1), all others off. Other switches and indicators may be in any state.
2. Set in Recycle mode	Press RECYCLE. Observe RECYCLE indicator lights.

TABLE 2-5. WRITE/READ CHECK (Continued)

Operation	Details
3. Load Write function	Position the CPU CONTROL switch to INPUT REG. Press CLEAR SWITCH. Using the INPUT REGISTER DATA-ENTRY switches as directed in Figure 2-2., load Write code 12_8 (001010) into the function code bits (Figure 2-4) of the input register. Load the starting address desired into bits 0–22.
4. Execute	Press EF. Observe that the W77 indicator and 1 through 9 in the lower row of Control Sequence indicators cycle on and off. (Others will cycle also.)
5. Load the data pattern	Press CLEAR. Observe that cycle continues. Enter any combination of ones and zeros desired with the INPUT REGISTER DATA ENTRY switches. **Note:** *With RECYCLE on, the data pattern entered in Step 5 is now being written repeatedly from the sector number of the starting address to the end of the track. If the starting sector was zero, the whole track is being written.*
Note *At this point, if only the single track is to be written, press PROGRAM STEP to stop the operation. The data pattern will be left in all sectors of the track. Skip Step 6 and proceed to Step 7.*	
6. Extend writing through the file	Turn on, in order: ADVANCE HEAD ADVANCE CYLINDER Press PROGRAM STEP.
7. Verify status	When cycling through the indicators ceases, indicating that the write is complete, turn the CPU CONTROL switch to OUTPUT REG. From the REGISTER DISPLAY indicators, read the status code in the status bits (Figure 2-3). The code should be Normal Complete, 40_8 (100000). If the code is not 40_8 refer to Figure 2-3 to determine the code and thereby the error which has occurred.
8. Set up a Read operation	Press RECYCLE. Observe RECYCLE indicator light. Turn off ADVANCE HEAD and ADVANCE CYLINDER. Move the CPU CONTROL switch to INPUT REG and press CLEAR. Using the INPUT REGISTER DATA-ENTRY switches, load Read code 52_8 (101010) into the function code field of the input register. Load the same starting address as used in Step 3 into bits 0–22.
9. Execute	Press EF. Observe the indicators cycling through R75 and in the lower row. (Others will cycle.) **Note:** *If indications are as stated, reading is now from the selected track in the Recycle mode.*
10. Observe the read pattern	Move the CPU CONTROL switch to OUTPUT REG. The bit pattern displayed should remain constant and be the same as entered in Step 5 for the write.
11. Extend the read through the file	Turn on, in order: ADVANCE HEAD ADVANCE CYLINDER The bit pattern should hold as the read progresses throughout the file. Press PROGRAM STEP to cause the read to terminate when end-of-file is reached.
12. Verify status	Observe Normal Complete, 40_8, in the status code bits when indicator cycling ceases.

SECTION 3
OFFLINE OPERATIONS, MODULAR SYSTEMS

CAUTION

If any of the procedures described in this section are performed on disk packs containing stored data, that data will be destroyed. Mistakes in following the instructions can destroy data in files other than the one it is intended to address. Proceed with care!

This section contains instructions for initially formatting the disk packs to be used with Modular 1144 systems and for performing the error-correction technique known as bad-spotting, in which one of the alternate tracks available on each disk is substituted for a track which has developed hard address errors due to surface defects. These instructions cover all the necessary steps in both operations, but because of the terminology used, some familiarity with UNIVAC computer installations and Fastrand software on the part of the user is advisable.

1144 "Modular" systems are distinguished from "Standard" systems (covered in Section 2) by the organization of data on the disks; this is described in detail under "Address Translation", below. The easiest way to physically identify the type of system is by the controller Mode Select Panel (Figure 3-1); this panel is considerably different from the one installed in Standard systems.

OFFLINE OPERATIONS IN GENERAL

Offline operations are carried out with the controls on the controller Maintenance Panel (Figure 3-2) and Mode Select Panel (Figure 3-1). The entire disk storage system can be fully exercised in this way; when the Maintenance Panel is used to perform an operation a function word is manually loaded into the input register, and the logic then functions exactly as if the function word had originated with the program online. The Maintenance Panel indicators can be used to monitor the various system registers, data register, output register, disk I/O, etc., while the resulting operation takes place, thus providing a picture of the flow of data and commands through the system. Concurrently, other indicators can be switched to monitor any of the sets of sequence control flip-flops which cycle through their various states as the operation progresses.

The Mode Select Panel is used with the Maintenance Panel to expand the range of operations available.

A single channel controller has one Maintenance Panel and one Mode Select Panel. Dual channel versions use only one Maintenance Panel, which can be switched from one channel to the other, but have two Mode Select Panels, each of which operates with its own channel.

INTERFACE FORMATS

Because operations performed from the controller panels follow the same basic patterns as the same operations carried out under control of the program, knowledge of the word formats, function and status codes, organization of the storage media, etc., is required in order to follow the instructions and interpret the results. The following paragraphs, tables, and illustrations contain such information in abbreviated form, supplementing the detailed instruction tables at the end of this section.

Types of Words

The controller handles four types of words:

- **Function Word** — The function word initiates the operation to be performed. It is accompanied by an External Function (EF) signal and contains the function code and the address at which the specified operation is to start.

- **Identifier Word** — When used, the identifier word follows the function word and is accompanied by a second EF signal. In Search Operations it contains the search argument; in the Write Loop operation it contains the data test pattern.

- **Data Word** — A data word contains the information to be written on or read from the storage file. A data word is requested by the Controller by raising the Output Data Request (ODR) signal, or presented by the controller by raising the Input Data Request (IDR) signal. The controller then expects to see the appropriate acknowledge signal, i.e., Output Acknowledge (OA) or Input Acknowledge (IA).

- **Status Word** — The status word is generated by the controller and presented with an External Interrupt (EI) signal. The controller expects acknowledgement of receipt of the status word with the IA signal. The status word is used to signal the termination of an operation, state its cause, (i.e., nature of error, abnormal condition or normal completion), and give the address at which the error occurred. Status word formats and status codes are shown in Figure 3-3.

The Function Word

Figure 3-4 shows the formats of function words which can be executed by the 1144 Modular system. The function word consists of two main fields, the *function code* field (bits 30–35 in 1108 systems and bits 24–29 in 494 systems) and the *address*. Bit allocation in the address field is described below. The function code determines the type of operation to be executed and can be any of those listed in Table 3-1.

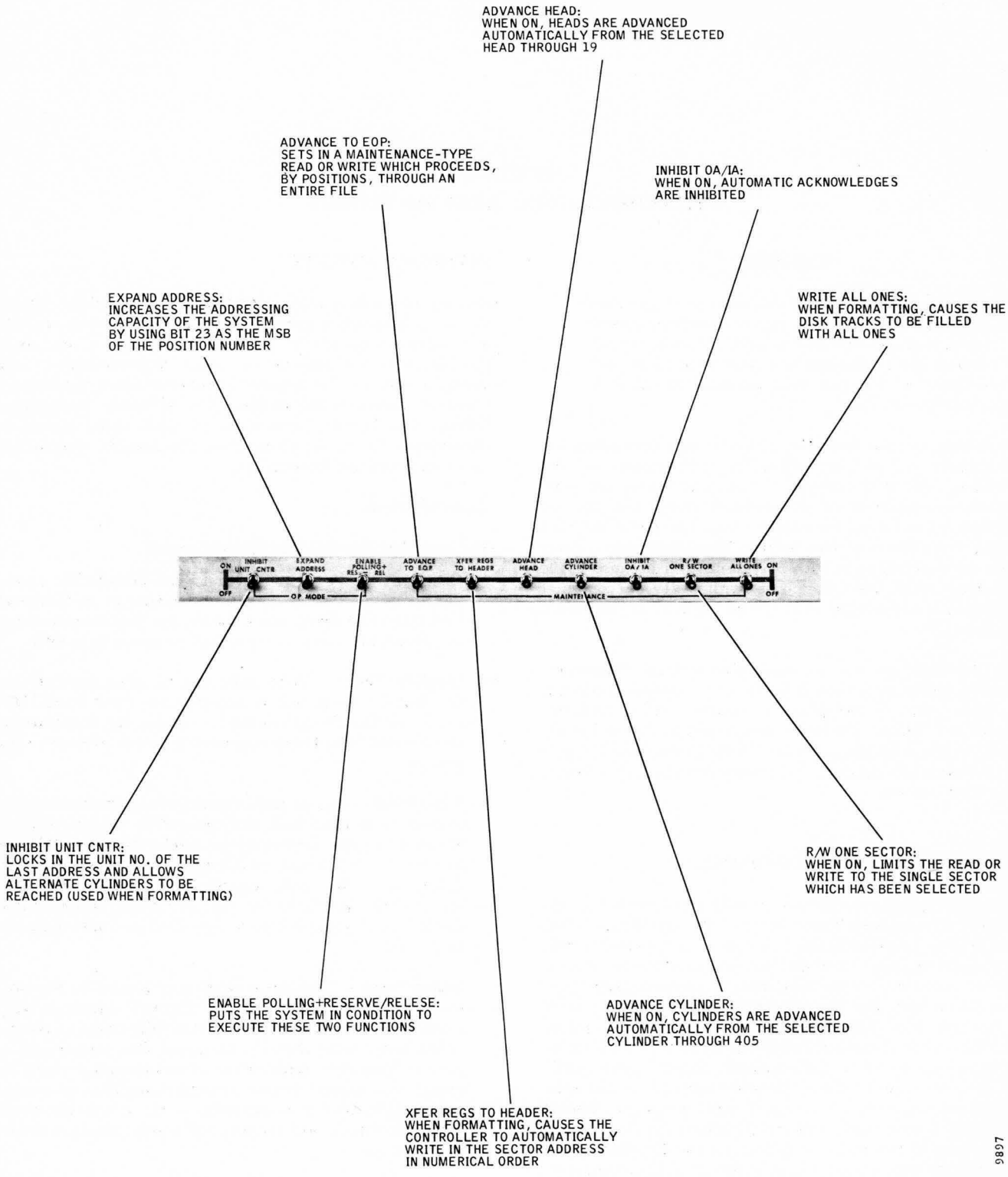
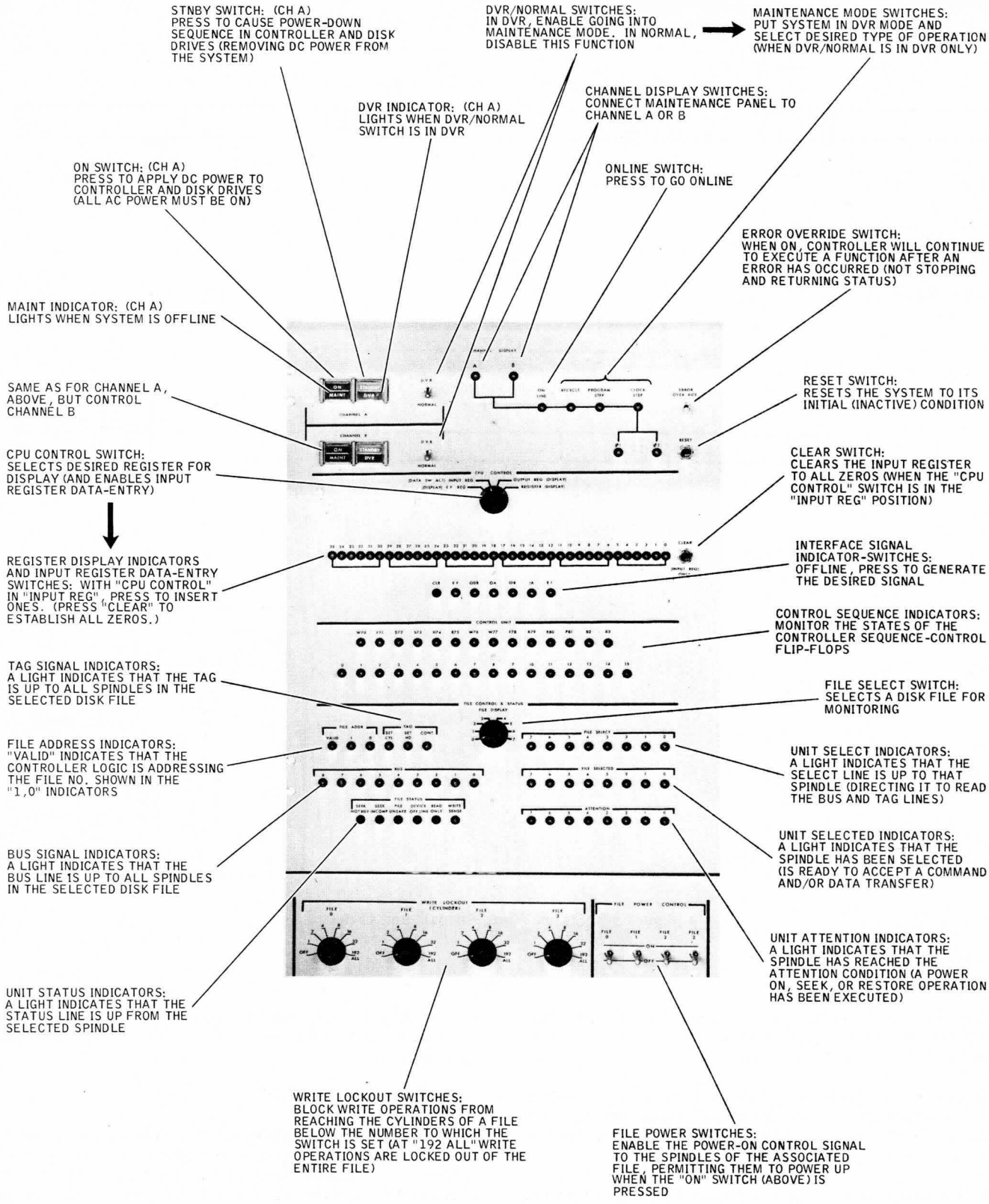


Figure 3-1. Mode Select Panel, Modular Systems



NOTE: SOME PANELS MAY DIFFER SLIGHTLY FROM THE CONFIGURATION SHOWN HERE. THESE DIFFERENCES DO NOT AFFECT THE INSTRUCTIONS IN THE ACCOMPANYING TEXT

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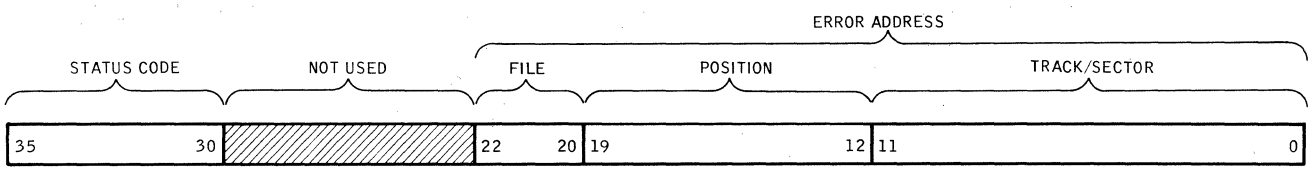
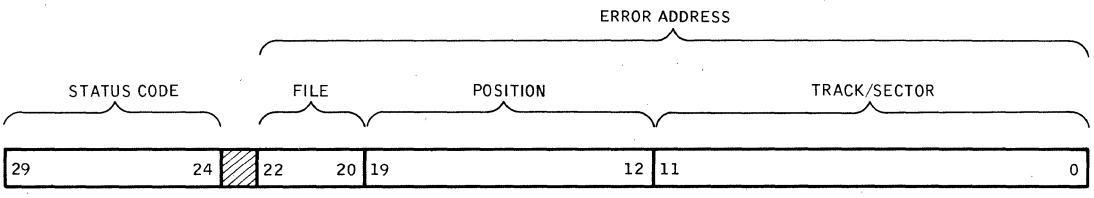
Figure 3-2. Maintenance Panel, Modular Systems

1108 INTERFACE



494 INTERFACE



STATUS CODES	
CODE (OCTAL)	NAME
02	DRIVE BUSY*
04	TIMEOUT/INPUT
05	END-OF-POSITION/INPUT
07	NONRECONSTRUCTIBLE ERROR
14	ADDRESS ERROR
20	LATE ACKNOWLEDGE/OUTPUT
24	END-OF-POSITION/OUTPUT
40	NORMAL COMPLETE
50	INVALID FUNCTION CODE
52	POSITION END
54	NO RESPONSE/WRITE LOCKOUT
60	WRITE ERROR
*USED ONLY WITH DUAL-CHANNEL SYSTEM	

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Figure 3-3. Status Word Formats and Codes

Online, only twelve of the fourteen codes are valid; Format and Write Loop function only from diagnostics or when set in manually at the Maintenance Panel.

Note that the controller concludes all operations resulting from a function word, except Position Without Interrupt and Terminate Without Interrupt, by presenting a status word at its output register and an accompanying EI signal.

Also note that a write, or read operation following a function word can proceed through only as much storage as is represented by the progressive portion of the Address Field (Figure 3-4). To reach other areas, a new file or position, there must be a new function word transmitted from the processor (online) or set into the input register from the Maintenance Panel (offline).

If a bit combination other than one of the function codes is received, it is detected as invalid and an error results aborting the operation.

ADDRESS TRANSLATION

When the controller is connected to a UNIVAC installation, the disk system is completely transparent to the Fastrand software. The address field of the function word has the structure shown at the top of Figure 3-4; the subfields of the address match the organization of a UNIVAC Fastrand drum storage system where there are discrete files, each with 192 head boom positions, 64 tracks per position, and 64 sectors per track. In the 1144 disk system one track can hold only 43 sectors so the organization of the disk storage cannot be made to exactly parallel that of the UNIVAC Fastrand drums.

Therefore, the address portion of the function word is continuously translated by the controller logic to derive control signals for presentation at the disk interface which match the actual data organization of the disk packs.

Translating the Fastrand address to disk is one of the major functions performed by the controller. This is a fairly involved process, primarily because of the difference in the *track length* between the two storage media. In both systems the minimum addressable unit is the sector and Fastrand sectors and disk sectors are substantially the same length. This means that it is not possible to write one Fastrand track under one head on the disk; after a disk track is filled with 43 sectors of data there must be a head advance and the remaining 21 sectors of the Fastrand 64 will go under the new head. Right away this means that the data which had one head number in Fastrand has two in disk, making the two addressing schemes entirely different.

File numbers require no translation; a file at the function word input is the same as on the disks. Position and track/sector numbers (bits 19 thru 0 of the address, Figure 3-4), however, require continuous translation by the controller logic in all operations involving the disks.

TABLE 3-1. FUNCTION CODES

Function Code (Octal)	
12_8	Write With Interrupt
15_8	Format
20_8	Position Without Interrupt
23_8	Terminate Without Interrupt
24_8	Write Loop
30_8	Position With Interrupt
33_8	Terminate With Interrupt
52_8	Read With Interrupt
54_8	Search Long — First Word
55_8	Search Short — First Word
56_8	Search Long — All Words
57_8	Search Short — All Words
60_8	Reserve
61_8	Release
The function codes 15_8 (Format) and 24_8 (Write Loop) are valid only in diagnostic or maintenance mode.	

System Configurations Affecting Addressing

A minimum Modular 1144 System consists of one single-channel controller, one Model 244 Disk Drive, and one Model 242 Disk Drive. The 244 drive contains two spindles and the 242 one, so this combination makes up three spindles of storage. Such a three-spindle configuration is called a "file"; its capacity is 22,020,096 36-bit words and it replaces one UNIVAC Fastrand II file.

In such a basic configuration, the 192 Fastrand positions of one file are distributed among the disk spindles as shown in Figure 3-5, 84 positions in each of the 244 spindles (Units 0 and 1) and the remaining 24 positions in the 242 spindle (Unit 2).

The basic configuration can be expanded in several ways.

Maximum File Options

Files can be added to a basic system in increments of one file up to a maximum of eight. This limit is set by the addressing capacity of the three file number bits in the function word address field.

252-Position Addressing

Since the disk storage system is not limited to the 192 physical positions of a Fastrand drum, more spindles can be added to take advantage of the 252 position numbers which can be addressed by bits 19 thru 11 of the function word (Figure 3-4). This feature adds 60 positions of storage to each file, an increase in capacity of 25 percent.

Fully Expanded Addressing

The number of positions in a file can again be doubled by using bit 23 of the function word as the MSB of the position number in bits 19 thru 11. A System which has this feature can have 512 positions in each of its files (approximately) or, in disk terms, six full spindles of data. (This requires minor modification of the Fastrand software.)

Note

From the above it follows that the maximum capacity of a Modular 1144 System is eight files times six spindles per file or 48 spindles of data, approximately 4000 Fastrand positions.

Overflow Feature

The system may have the Overflow Feature. In this configuration three files of data be placed on three 244 drives and one 242 drive as shown in Figure 3-6. Provision is made in the addressing so that the correct third of the 242 spindle is associated with its file; Unit 2 of each file is thus held in one-third of the 242 spindle.

Disk Organization Versus Fastrand

The relation between Fastrand addresses and the 1144 modular disk addressing scheme is shown in diagram form in Figure 3-7 and in tabular presentation in Figure 3-8. In nonexpanded addressing systems the 192 positions of one Fastrand file are distributed among three spindles of disk storage in two units of 84 and one of 24. The first spindle (Unit 0) stores the first 84 Fastrand positions on cylinders 0 thru 400; this leaves cylinders 401 thru 405 for use as alternate cylinders in bad spotting.

Note that alternate cylinders 401 thru 405 can be reached only in the maintenance mode (and with the INHIBIT UNIT CNTR switch on the Mode Select Panel in the ON position). When the system is operating online, these extra cylinders are skipped by an automatic update of the unit number (unit counter) from 0 to 1; this selects the second spindle (Unit 1) and the next 84 Fastrand positions, 84 thru 167, are stored in cylinders 0 thru 400 of that spindle. Cylinders 401 thru 405 are again skipped as the unit counter updates, and the final 24 positions are stored in cylinders 0 thru 114 of the third spindle (Unit 2).

Observe from Figure 3-8 that, because the unit number alone determines which of the three spindles is addressed, the cylinder, head, and sector portion of the disk address repeats from unit to unit.

Address Conversions

To convert a function word address to disk, the unit number is first obtained by dividing the position number only by 84; this operation is carried out to the greatest integer only. Next, the remainder from this operation is multiplied by 4096, the product is added to the track/sector number, and the sum is divided by 860 to obtain the cylinder number. The remainder from the cylinder number division is then divided by 43 to give the head number, and the remainder from this last division is the sector number, without further translation.

The method of function word to disk address translation by decimal computation is shown in detail in the algorithm of Figure 3-9.

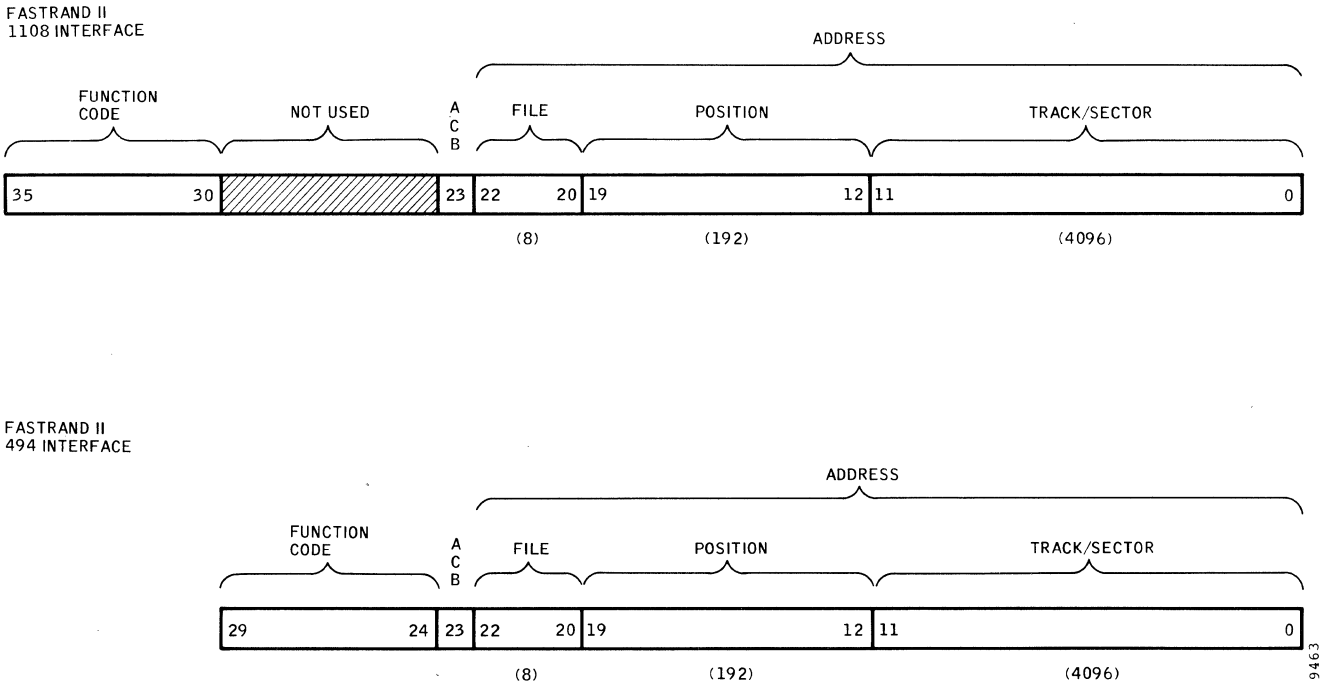

Figure 3-4. Function Word Formats, Modular Systems

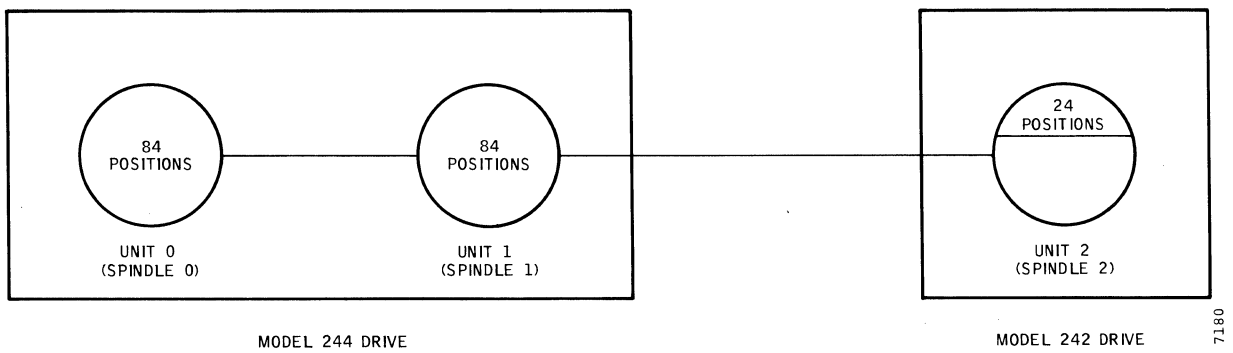

Figure 3-5. Disk Organization for One File of Storage (Basic Modular Configuration)

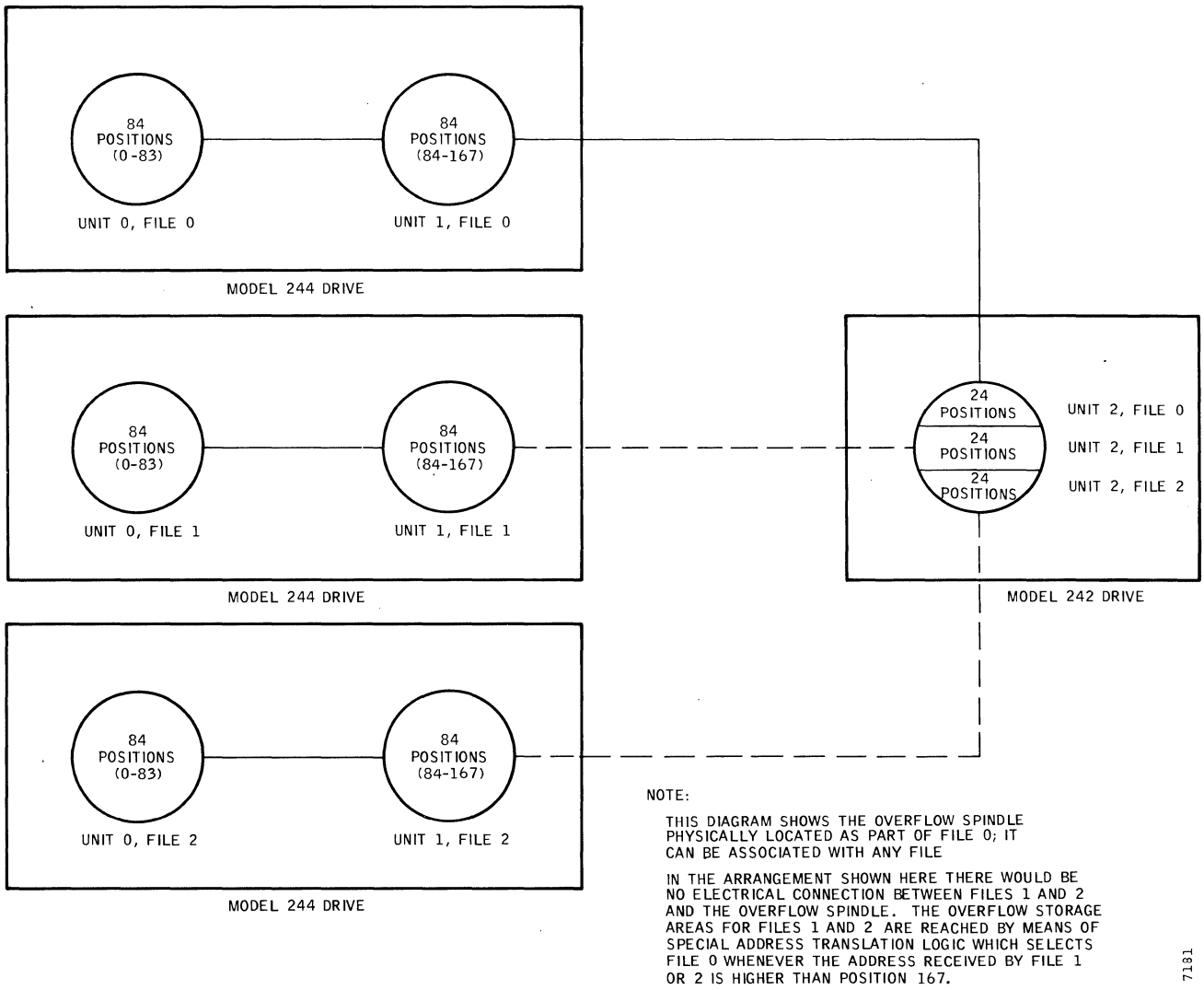

Figure 3-6. Three Files of Storage with Overflow Feature

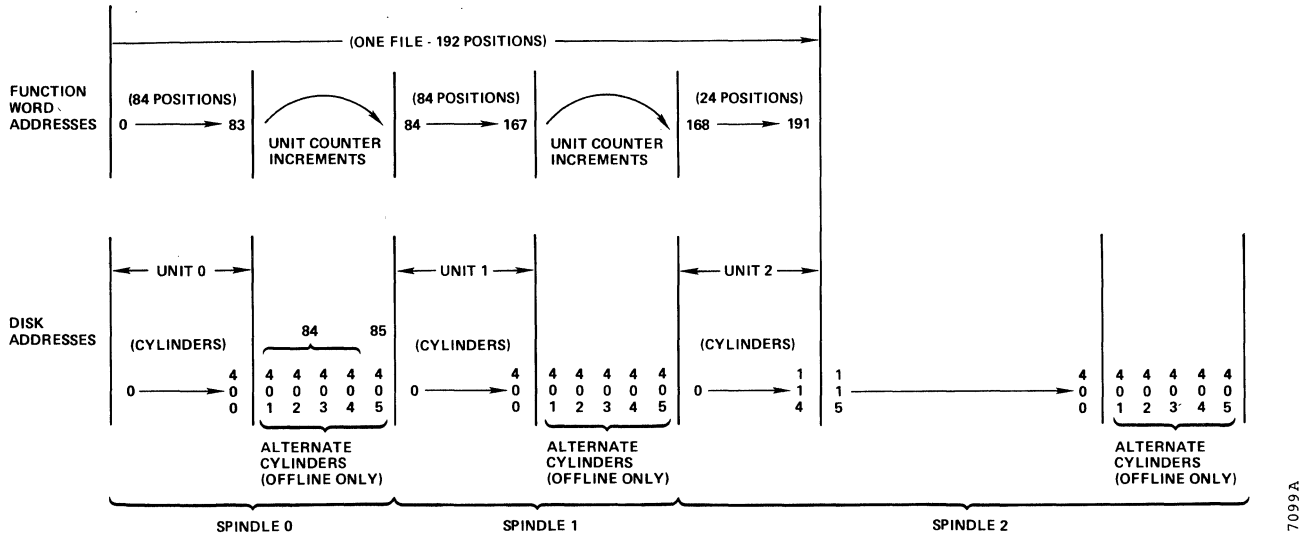

Figure 3-7. Diagram of the 1144 Modular Addressing System for One 192-Position File

			FUNCTION WORD ADDRESS				DISK ADDRESS							
			DECIMAL		OCTAL			DECIMAL				OCTAL		
			POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
			B	C	D	E	F	G	H	I	J	K	L	M
BASIC SYSTEM ADDRESSING WITH OR WITHOUT OVERFLOW	84 POSITIONS	START, UNIT 0	0	0	0	0	0	0	0	0	0	0	0	0
		SECOND CYLINDER	0	860	0	1534	0	1	0	0	0	1	0	0
		THIRD CYLINDER	0	1720	0	3270	0	2	0	0	0	2	0	0
		FOURTH CYLINDER	0	2580	0	5024	0	3	0	0	0	3	0	0
		FIFTH CYLINDER	0	3440	0	6560	0	4	0	0	0	4	0	0
		END OF POSITION 0	0	4095	0	7777	0	4	15	10	0	4	17	13
		START/POSITION 1	1	0204	1	0314	0	5	0	0	0	5	0	0
		START/CYL 400	83	4032	123	7700	0	400	0	0	0	620	0	0
		END OF UNIT 0	83	4095	123	7777	0	400	01	20	0	620	1	24
			84	*796*	*124*	*1434*	*0*	*401*	*0*	*0*	*0*	*621*	*0*	*0*
		ALTERNATE CYLS	*84*	*1656*	*124*	*3170*	*0*	*402*	*0*	*0*	*0*	*622*	*0*	*0*
		OFFLINE, IN	*84*	*2516*	*124*	*4724*	*0*	*403*	*0*	*0*	*0*	*623*	*0*	*0*
		MAINTENANCE	*84*	*3376*	*124*	*6460*	*0*	*404*	*0*	*0*	*0*	*624*	*0*	*0*
		MODE ONLY	*85*	*140*	*125*	*0214*	*0*	*405*	*0*	*0*	*0*	*625*	*0*	*0*
	84 POSITIONS	START, UNIT 1	84	0	124	0	1	0	0	0	1	0	0	0
		END OF UNIT 1	167	4095	247	7777	1	400	01	20	1	620	1	24
			168	*796*	*250*	*1434*	*1*	*401*	*0*	*0*	*1*	*621*	*0*	*0*
		ALTERNATE CYLS	*168*	*1656*	*250*	*3170*	*1*	*402*	*0*	*0*	*1*	*622*	*0*	*0*
		OFFLINE, IN	*168*	*2516*	*250*	*4724*	*1*	*403*	*0*	*0*	*1*	*623*	*0*	*0*
		MAINTENANCE	*168*	*3376*	*250*	*6460*	*1*	*404*	*0*	*0*	*1*	*624*	*0*	*0*
		MODE ONLY	*169*	*140*	*251*	*0214*	*1*	*405*	*0*	*0*	*1*	*625*	*0*	*0*
	24 POSITIONS	START, UNIT 2	168	0	250	0	2	0	0	0	2	0	0	0
		END OF UNIT 2 (NON-EXPANDED ADDRESSING)	191	4095	277	7777	2	114	06	05	2	162	06	05
EXPANDED ADDRESSING	60 POSITIONS	END OF UNIT 2 (EXPANDED ADDRESSING)	251	4095	373	7777	2	400	01	20	2	620	1	24
			252	*796*	*374*	*1434*	*2*	*401*	*0*	*0*	*2*	*621*	*0*	*0*
		ALTERNATE CYLS	*252*	*1656*	*374*	*3170*	*2*	*402*	*0*	*0*	*2*	*622*	*0*	*0*
		OFFLINE, IN	*252*	*2516*	*374*	*4724*	*2*	*403*	*0*	*0*	*2*	*623*	*0*	*0*
		MAINTENANCE	*252*	*3376*	*374*	*6460*	*2*	*404*	*0*	*0*	*2*	*624*	*0*	*0*
		MODE ONLY	*253*	*140*	*375*	*0214*	*2*	*405*	*0*	*0*	*2*	*625*	*0*	*0*
		START, UNIT 3	252	0	374	0	3	0	0	0	3	0	0	0
		START, UNIT 4	336	0	520	0	4	0	0	0	4	0	0	0
		START, UNIT 5	420	0	644	0	5	0	0	0	5	0	0	0
		START, UNIT 6	504	0	770	0	6	0	0	0	6	0	0	0

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Figure 3-8. Tabular Layout of the 1144 Modular Addressing Scheme

If the disk address is known and the function word address is wanted, then a reversed series of mathematical operations is required; these computations are shown in Figure 3-10. As the algorithm states, once the initial value for the position number has been obtained, it is valid only for Unit 0; if the unit number is 1 or 2, then either 84 or 168 must be added to derive the correct position number. This simply reflects the fact that disk addresses are numerically continuous only within a unit, while the function word address is continuous throughout the whole file.

Address Equivalent Table

Table 3-5 is a computer-generated list of sector zero addresses for each track (head and cylinder) throughout a unit, given in both Fastrand and disk, and in octal and decimal notation. Since the minimum disk area that can be formatted (or bad-spotted) is a track, the addresses in Table 3-5 should be all that are needed for the procedures in this section.

As it stands, Table 3-5 lists position numbers for only unit 0. However, since the track/sector series repeats from position to position, the addresses of higher-numbered units will simply be represented by position numbers that increase by multiples of 84 (the maximum number of positions in a unit).

For this reason, Table 3-5 can be extended to cover any higher-numbered unit by simply modifying the position number. To go from a table address to one for a higher unit, add to the position number in the table the address unit number X 84. To obtain the disk equivalent of a function word address with a position greater than 83, divide the position number by 84; the quotient is the unit number and the remainder is the position number to use in the table. Detailed examples of such operations are given on the first page of the table.

TRANSLATION OF EXPANDED ADDRESSING

This discussion of address translation has so far been confined to that 1144 configuration which is designed to operate from unmodified Fastrand software, that is, with a maximum of four files limited to 192 positions each. In systems with expanded addressing the translation is exactly the same; there is just more of it. When a file has 252 positions address translation just continues on from position 193 thru 251. In other words; cylinders 115 thru 400 of the last spindle, shown empty in Figure 3-7, will be filled with input data addressed to positions 193 thru 251.

If the system uses bit 23 of the function word as part of the address, thus giving a file 512 positions, there is still no change in the translation method. For each added 84 positions the unit counter increments once and the cylinder, head, and sector numbers within the new unit are derived from the input position and track/sector numbers in the same way as for Units 0, 1, and 2 in a basic Fastrand-compatible system with only 192 positions in a file. The algorithms of Figures 3-9 and 3-10 will work for any system up to the maximum capacity available.

ALGORITHM

$$\text{UNIT NO.} = \frac{\text{POSITION NO.}}{84} \quad \text{(TO GREATEST INTEGER)} \qquad (1)$$

$$\text{CYL NO.} = \frac{(\text{REMAINDER (1)} \times 4096) + \text{TRACK/SECTOR NO.}}{860} \qquad (2)$$

$$\text{HEAD NO.} = \frac{\text{REMAINDER (2)}}{43} \qquad (3)$$

$$\text{SECTOR NO.} = \text{REMAINDER (3)} \qquad (4)$$

EXAMPLE

TRANSLATE THE FUNCTION WORD ADDRESS 1760331_8 TO DISK:

1. SEPARATE POSITION NO.: POSITION NO. = 176_8, TRACK/SECTOR = 331_8
2. CONVERT TO DECIMAL: POSITION NO. = 126_{10}, TRACK/SECTOR = 217_{10}
3. UNIT NO. = $\frac{126}{84}$ = [1] (REM = 42)
4. CYL NO. = $\frac{(42 \times 4096) + 217}{860}$ = [200] (REM = 249)
5. HEAD NO. = $\frac{249}{43}$ = [5] (REM = 34)
6. SECTOR = [34]

SO THE DESIRED DISK ADDRESS IN DECIMAL IS UNIT 1, CYL 200, HEAD 5, SECTOR 34

FOR TROUBLESHOOTING IN THE LOGIC REGISTERS ETC, THIS CAN BE CONVERTED TO THE OCTAL FORM: UNIT 1_8, CYL 310_8, HEAD 5_8, SECTOR 42_8

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Figure 3-9. Algorithm I, Translation of Function Word Address to Disk Address (Modular Systems)

ALGORITHM

FIRST COMPUTE:

$$K = \frac{(860 \times \text{CYL NO.}) + (43 \times \text{HEAD NO.}) + \text{SECTOR NO.}}{4096} \qquad (1)$$

FROM WHICH:

$$\text{POSITION NO.} = K + (\text{UNIT NO.} \times 84) \qquad (2)$$

$$\text{TRACK/SECTOR} = \text{REMAINDER (1)} \qquad (3)$$

EXAMPLE

TRANSLATE THE DISK ADDRESS: UNIT 1
CYLINDER 200
HEAD 5
SECTOR 34

1. FROM EQUATION (1) :

$$K = \frac{(860 \times 200) + (43 \times 5) + 34}{4096} = \boxed{42} \quad (\text{REM} = 217)$$

2. FROM EQUATIONS (2) AND (3) :

$$\text{POSITION} = 42 + (1 \times 84) = \boxed{126}$$

$$\text{TRACK/SECTOR} = \boxed{217}$$

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Figure 3-10. Algorithm II, Translation of Disk Address to Function Word Address (Modular Systems)

In systems which have eight files, instead of the Fastrand limit of four, there is still no problem. There is sufficient capacity in the system registers to handle file numbers through eight, and the selection logic functions the same as for four.

ADDRESS TRANSLATION IN OVERFLOW SYSTEMS

In systems which have the overflow feature, address translation differs from that previously described. The numerical conversion of the Fastrand position and track/sector numbers into unit, cylinder, head, and sector remains the same, but after this is done the cylinder number may be modified, depending upon which file has been addressed. Also, the one-to-one relation of Fastrand file to disk file no longer holds. These changes are imposed by the fact that when the file addressed is other than the one which has been assigned the overflow spindle *and* the Fastrand position number is greater than 167, there is an automatic re-selection within the controller logic to reach the overflow spindle in the overflow file.

Addressing in an overflow system is shown in Figure 3-11; if the system has the maximum of eight files, then files 0, 3, and 6 are the overflow files, which contain the extra spindle (designated unit 2). If, for example, an input address calls for file 1, position 168, then the disk area on which this data is stored is not in file 1 at all, but in file 0, unit 2. In order to generate the correct disk address, i.e., select the correct spindle and file, the controller must arbitrarily change the file number to zero and, further, modify the cylinder number by adding a constant, in order to reach the group of cylinders assigned as the overflow area for file 1.

Algorithms I and II (Figures 3-9 and 3-10) are used to make the numeric translation of the address, the same as for other modular systems. However, when the overflow feature is present there are added operations which must be performed in certain cases. (That is, when the addressed area is located in one of the overflow spindles.)

The added operations for making address translations in overflow systems may be stated as follows.

When translating function word address to disk:

IF FUNCTION WORD POSITION NO. >167 AND FILE NO. IS:	THEN: AFTER TRANSLATING FUNCTION WORD TO DISK, DO THE FOLLOWING:
0	NO ACTION
1	SET: FILE = 0 ADD: CYL + 128
2	SET: FILE = 0 ADD: CYL + 256
3	NO ACTION
4	SET: FILE = 3 ADD: CYL + 128
5	SET: FILE = 3 ADD: CYL + 256
6	NO ACTION
7	SET: FILE = 6 ADD: CYL + 128

When translating disk address to function word:

IF DISK FILE = 0, 3 OR 6, UNIT = 2, AND CYLINDER IS:	THEN: BEFORE TRANSLATING DISK TO FUNCTION WORD:
0 - 114	NO ACTION
128 - 242	ADD: FILE + 1 SUBTRACT: CYL - 128
256 - 370	ADD: FILE + 2 SUBTRACT: CYL - 256

FORMATTING

Formatting (detailed procedure in Table 3-2) is the process of structuring the magnetic surfaces of the disks so that they are divided into known areas, each with its address written in. Only after this has been done can a disk pack be used for storage. An unformatted disk pack, one whose magnetic surfaces are blank or random, will not accept write or read operations.

Although the 1144 disk storage system is, in operation, transparent to the Fastrand software, it nevertheless has its own, unique, disk format which is not the same as that of the Fastrand drum, or of other disk systems. Formatting is, therefore, a special process that is performed offline, with control settings and data-entry done manually, at the controller.

In the 1144 system the disks are formatted by dividing the tracks into sectors, with the disk address of each sector written into the portion that first comes under the read/write head as the disk rotates. This is called the sector header; it is immediately followed by the data field of the sector. The data fields of all sectors are left blank when formatted, to be filled with data in a later write operation. The controller itself generates the sector addresses which are written in during formatting; they derive from a constantly-incrementing set of registers which are enabled whenever a Format code is entered into the controller input register and the operation started.

Note

Disk packs that have been previously used for storage may be reformatted; the format information is no more (or less) permanent than any other data recorded on the disk surface. Reformatting, of course, wipes out any previously recorded data.

The disk packs of a file are formatted beginning with Cylinder 0, Head 0, Sector 0 of each spindle, first numbering the sectors of the track under Head 0 up to 42, then proceeding through the twenty heads of that cylinder and repeating the process for each of the 406 cylinders in the spindle. Thus, the recorded addresses of the sectors identify only their locations within a spindle and when formatting is complete each disk pack will be exactly like all others in its addressing. File and unit (spindle) numbers are not recorded on the disks. This fact has bearing on the formatting procedure because it means

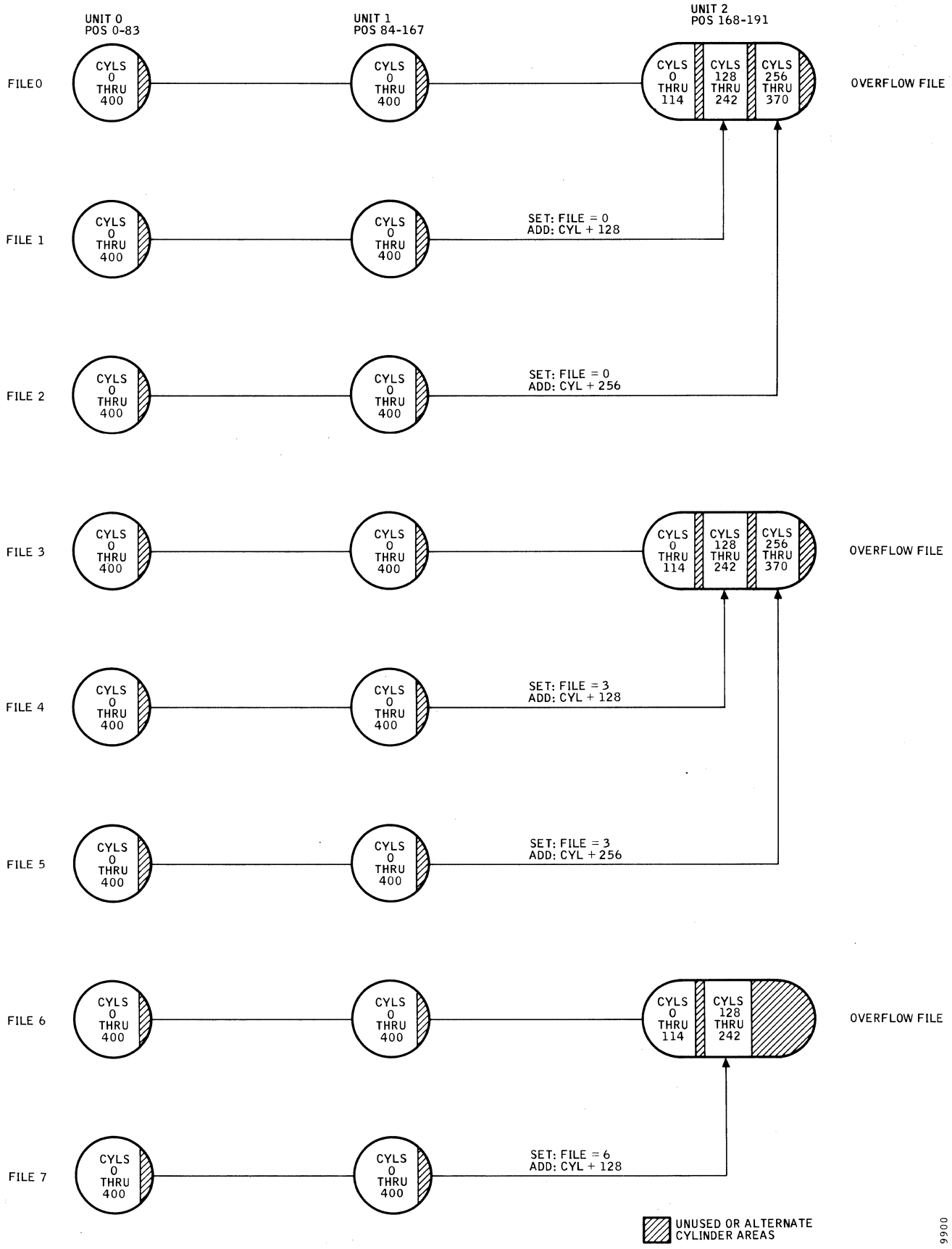

Figure 3-11. Online Addressing in Overflow Systems

that the physical location of a spindle within a file has no effect on formatting and disk packs may be formatted mounted on any spindles which are convenient, then removed and stored for later use. This is true as far as formatting goes; however, once the disk packs have been written into the situation is different, therefore the following caution.

CAUTION

Formatted (and not written into) disk packs may be used interchangeably; the internal addressing of all formatted packs is the same. However, unless there is special programming, once the three packs of a file have been written into, they become a set and, if removed from the spindles, must be replaced in the same locations. Otherwise the addressing within the file will be disorganized and unuseable. If a write operation were directed to a file whose disk packs had been assembled incorrectly, data would be destroyed.

BAD-SPOTTING

The bad-spotting technique (detailed procedure in Table 3-3) is used to correct for "hard" address errors that may develop in a disk pack. When successive attempts to access the same area on the pack result in error status this is called a hard address error; it means that there is a defect in the magnetic surface of the disk at that spot. To avoid discarding the entire disk pack, the pack is bad-spotted, i.e., one of the alternate tracks provided on each pack is substituted for the track at which the error has occurred. Even if the error occurs at only a single sector it is always the whole track which is replaced.

An alternate track is substituted for a defective one by first reformatting the defective track so that all its sector headers contain a special code instead of the addresses which were written into them when the pack was originally formatted. This special code consists of the defective flag bit (bit 26) and the cylinder number of the alternate track which has been chosen as a replacement. When the defective track has been thus reformatted, then the chosen alternate track is formatted with the *original* addresses that were in the defective track, making the alternate track a duplicate of the one which was defective.

This completes the bad-spotting procedure; when a pack which has been treated in this way is placed back in service, special circuits built into the controller will automatically write, read, or search the alternate track instead of the defective one. What happens is that the controller, when it receives a function with an address directed to the alternate track, obediently seeks to the designated cylinder and starts to read from the designated head. However, the read immediately detects the defective flag, followed by the number of the cylinder which contains the alternate track. (Note that the defective code is read only by the controller, not transmitted to the program.) The controller then suspends execution of the operation while it initiates its own re-seek to the alternate cylinder. This places the read head over the alternate track and the operation then continues on the alternate track. When it is complete there is another automatic seek back to the original cylinder and the operation proceeds through the balance of the pack as directed. The only effect on execution of the function is the delay inserted by the mechanical repositioning of the heads to the alternate track and back, and this is within operating parameters. The program does not know that the substitution has taken place.

Address Translation When Bad-Spotting Overflow Systems

Bad-Spotting is a format operation, done for special purposes but nevertheless addressing the disks in format mode, the same as when initially formatting the packs. This means the system of online addressing shown in Figure 3-11 for overflow systems does not apply. When the function code set in at the input register is a format code then the disk addressing is as shown in Figure 3-12; the logic no longer sees the overflow files, or the overflow areas, as different from any other and the automatic reselection to file and cylinder does not occur. Also, when formatting is begun in bad-spotting, the INHIBIT UNIT CNTR switch is on and this locks in the unit number which was initially selected. With this switch on, all units of a file are treated as if they were unit 0 and only position numbers from 0 to 85 can be used in the function word address.

The format breakdown of the disk areas is actually simpler than that used online but, unfortunately, the operator will have to work with both types of addressing when bad-spotting. This is because a modular system will accept input addresses only in the Fastrand terms of file, position, and track/sector. When an address error occurs its location will be identified, in the status word, by a Fastrand address. This can be readily translated to disk terms for an overflow system using the rules given in the previous paragraph "Address Translation in Overflow Systems"; however, when we go into format mode to do the bad-spot, in order to reach the same disk location, we need another Fastrand-type address and it is not the same as the online address with which it all started.

Say, for example, that the following Fastrand address develops a hard address error: (Decimal numbers used throughout the following.)

File 1, Position 168, Track/Sector 1720 (1)

To see the problem, let us obtain the disk equivalent of this address. From the rules given in the earlier paragraph "Address Translation in Overflow Systems", we see that we must first perform the numeric translation and then adjust file and cylinder numbers as directed.

From Algorithm I, Figure 3-9:

$$\text{UNIT NO.} = \frac{168}{84} = 2, \text{ Remainder } 0$$

$$\text{CYL NO.} = \frac{(0 \times 4096) + 1720}{860} = 2, \text{ Remainder } 0$$

$$\text{HEAD NO.} = \frac{0}{43} = 0, \text{ Remainder } 0$$

$$\text{SECTOR} = 0$$

We next adjust file and cylinder as directed. Our position is 167 and file = 1, so:

SET: File = 0 ADD: Cyl 2 + 128 = 130

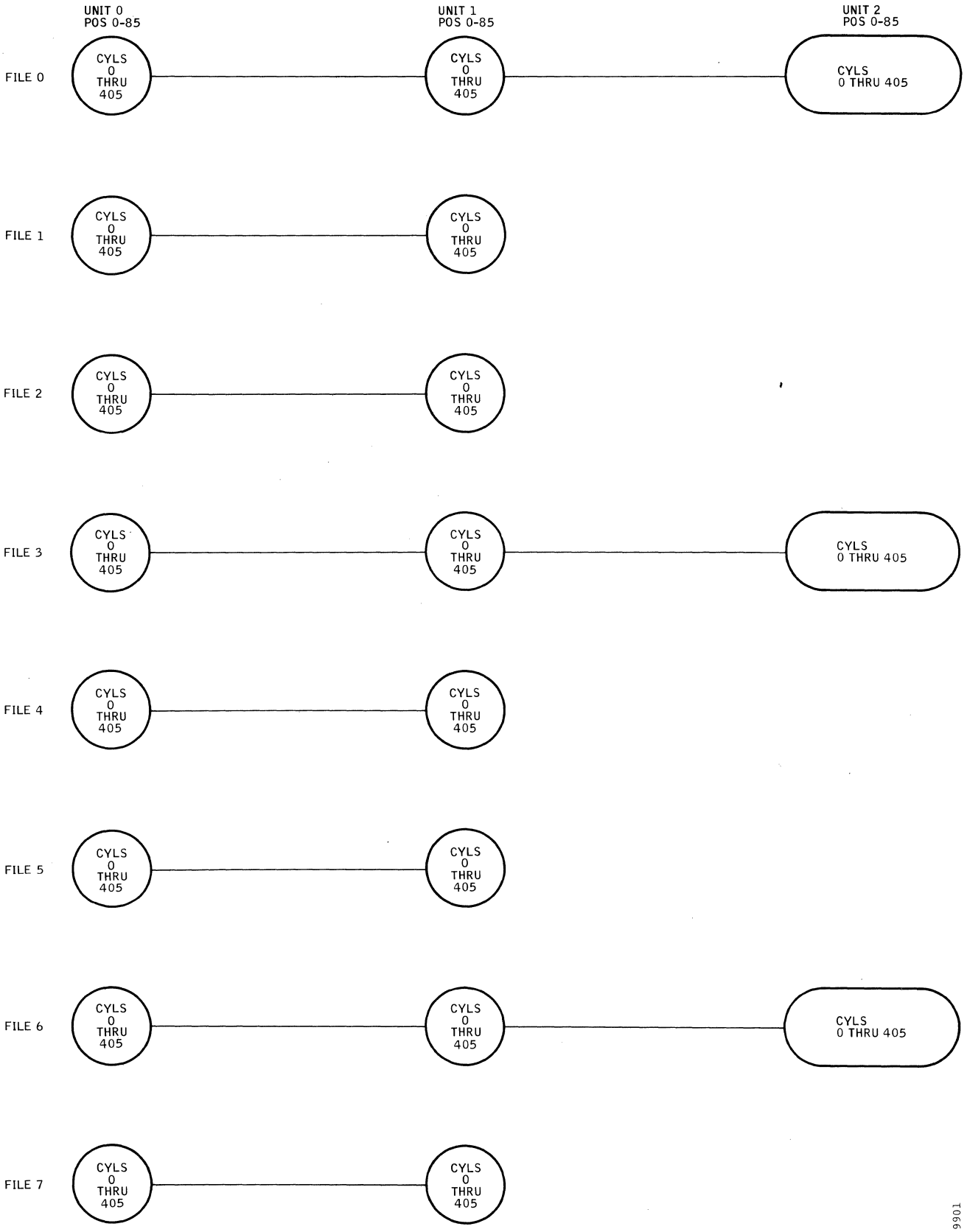

Figure 3-12. How the Overflow System of Figure 3-11 Looks to a Format Function (INHIBIT UNIT CNTR switch on)

Therefore, the disk equivalent of the example Fastrand address in (1), above is:

File 0, Unit 2, Cylinder 130, Head 0, Sector 0 (2)

Referring to Figure 3-11 we see that this location is in the overflow area for file 1, i.e., in cylinders 128–242 of unit 2 of file 0. Well and good. If we insert the Fastrand address in (1), above, at the input register as part of an *online* function (e.g. a seek), then we will reach our defective track. *However*, if we then go to a format function (as is the next step in bad-spotting) and try to use this same address, it will not work. Looking at Figure 3-12, observe that we would be trying to reach a third spindle in file 1, which does not exist. Still looking at Figure 3-12, we see that we need a *file 0* address, one that will put us directly to the right cylinder; we cannot take the overflow path of Figure 3-11, via file 1, because it does not exist for a format function. Also, there is another problem; the INHIBIT UNIT CNTR switch will (must) now be on and we are locked on unit 2. This means that we can only use position numbers 0 through 85. A "file 0" address is one that has the same track/sector number, but whose position number has been reduced to the equivalent for file 0.

Note

This "lock on unit" function that is set in with the INHIBIT UNIT CNTR switch is a feature designed into the 1144 specifically so that formatting defective and alternate tracks can be done as here described. What actually occurs is that with the switch on, the logic does not make the unit number division (Figure 3-9) but goes directly to the cylinder number computation, making the assumption that the unit is zero. Therefore, we also have to assume that the unit is zero when entering our address. The reason for locking in the unit number is to permit the alternate cylinders in each spindle to be addressed. In normal operation these are bypassed by an automatic update of the unit counter when cylinder 400 (the last online cylinder) is reached (Figure 3-7). In order to use position numbers 84 and 85 to reach the alternate cylinders we have to inhibit any change in the unit counter contents and this, necessarily, includes the change that would result from the unit number division of the translation algorithm. Remember, however, that we do not lock the unit counter on unit zero; we lock it on the unit that contains the defective track, which we have already reached by a seek function. Then we treat ***that*** *unit as unit zero for the format operation.*

The simplest way to determine the unit 0 address which will reach our desired disk location with the INHIBIT UNIT CNTR switch on is to look it up in Table 3-5. This table is a complete list of unit 0 addresses for sector 0 of all tracks.

From (2), above, our disk location is:

File 0, Unit 2, Cylinder 130, Head 0, Sector 0 (3)

We change the unit number to zero and look up cylinder 130, head 0, in Table 3-5; this gives us our "unit 0" Fastrand address:

File 0, Position 27, Track/Sector 1208 (4)

This is the address which would be used for formatting this defective track in the bad-spotting procedure. (The octal equivalents, Position 33_8, Track/Sector 2270_8, are also in the table to use in entering the binary address into the input register.)

TABLE 3-2. FORMATTING PROCEDURE

Preliminary:

1. This procedure must be performed with the controller offline, that is, in DVR (Maintenance) mode. If the controller is a dual-channel model, both channels must be placed offline. The operations will run on one channel with the other operating online but there is danger of interference and data-loss.

   From online, the DVR condition is placed in effect by selecting a channel with the CHANNEL DISPLAY switch (A or B), putting the DVR/NORMAL switch for that channel in DVR and pressing either PROGRAM STEP, RECYCLE or CLOCK STEP. The MAINT indicator will light, indicating that the offline state is in effect. For dual-channel machines, be sure that both MAINT indicators are lighted before proceeding.

   If the controller is in Standby (STNBY indicator lighted) at the start, press ON to power up the system, including the drives (see Section 1), and then set in the DVR condition at both channels.

2. Once offline, power down the drives of file 0 and install the disk pack to be formatted on spindle 0 of file 0. Power up the drive and observe the first-seek.

3. If other drives (other files) are connected in the system, put them in the Read Only state (READ ONLY switches on).

4. All controls used to format are on either the Mode Select Panel (Figure 3-1) or the Maintenance Panel (Figure 3-2). Either channel of a dual-channel system may be used to format. (For single-channel machines select A.)

5. If any indication is not as described repeat from Step 1, checking the control settings carefully. If the error repeats, notify maintenance personnel.

TABLE 3-2. FORMATTING PROCEDURE (Continued)

Operation	Details
1. Check control settings and indicators	On the Maintenance Panel: *Indicators* MAINT and DVR should be on, STNBY and ONLINE off. *Switches* DVR (both) on, ERROR OVERRIDE off. On the Mode Select Panel: Put EXPAND ADDRESS in its normal online position (on if system has expanded addressing, off if not). All other MODE SELECT switches off. Other switches and indicators may be in any state.
2. Set up Format mode	Put XFER REGS to HEADER on. Press RECYCLE. Observe RECYCLE indicator light.
3. Load Format function	Position the CPU CONTROL switch to INPUT REG. Press CLEAR switch. Using the INPUT REGISTER DATA-ENTRY switches as directed in Figure 3-2, load Format code 15_8 (001101) into the function code bits (Figure 3-4) of the input register. **Note:** *The address bits, 0–22, are left all zeros. This makes the starting address file 0, unit 0, cylinder 0, head 0, sector 0, and will start formatting at the first sector of the disk pack installed in file 0.*
4. Execute the function	Press EF. Observe that the F78 indicator lights and that the format sequence runs as indicated by cycling through indicators 0–6 in the lower row of Control Sequence Indicators. Press CLEAR to clear the input register. Note that formatting continues (indicators continue to cycle. **Note:** *At this point, if all indications are as stated, the first track of the disk pack on spindle 0 is being formatted. The operation goes through the track, then, because RECYCLE is on, returns to sector 0 and repeats.*
5. *Extend formatting* through the file	Turn on, in order: ADVANCE HEAD ADVANCE CYLINDER Press PROGRAM STEP **Note:** *Now the operation will proceed through all heads and cylinders of spindle 0. Because PROGRAM STEP is now on, the operation will not repeat but will stop at the last sector of spindle 0.*
6. Verify status	Observe the indicators and when formatting is complete, as evidenced by cessation of activity, turn the CPU CONTROL switch to OUTPUT REG. From the REGISTER DISPLAY indicators, read the status code in the status bits (Figure 3-3). The code should be Normal Complete, 40_8 (100000).
7. Validate	Refer to Table 3-4 and perform a Write/Read Check, using as the starting address: file 0, unit 0, cylinder 0, head 0, sector 0 (all zeros in bits 0–22). If the check proceeds correctly the pack has been satisfactorily formatted.
8. Format other packs	Remove the pack which has been formatted and install another in file 0, spindle 0. Power up the drive. Return to Step 1, above, and make all control settings as there listed (ADVANCE HEAD and ADVANCE CYLINDER off, RECYCLE on). Repeat the procedure from Step 1 on.

TABLE 3-3. BAD-SPOTTING PROCEDURE

Preliminary:

1. Bad-spotting is a special use of the formatting function and, therefore, all the preliminary instructions for formatting apply. Refer to the preliminary instructions of Table 3-2 and place the controller offline, in DVR mode, and with all files not to be accessed in the Read Only state as there described.

2. Take any available measures to preserve the data recorded on the pack which has the defective track. If a backup pack is on file it will serve the purpose, of course. If there is no backup then the data in the defective track is lost. If the track data can be regenerated it can be replaced in the pack by a write operation after bad-spotting is complete.

3. Carefully determine and verify the address at which the hard address error has occurred; it is the basis for the bad-spotting procedure. The Write/Read Check (Table 3-4) can be used for this purpose. Direct successive write or read functions to the error address and if the error repeats, bad-spotting is necessary.

4. In 1144 Modular systems cylinders 401 through 405 have been reserved for use as alternate cylinders in bad-spotting; any one may be selected (assuming it has not been used for a previous bad-spotting operation under the same head).

Operation	Details
1. Check control settings and indicators	On the Maintenance Panel: *Indicators* MAINT and DVR should be on, STNBY and ONLINE off. *Switches* DVR (both) on, ERROR OVERRIDE off. On the Mode Select Panel: XFER REGS TO HEADER and EXPAND ADDRESS on. All others off. Other switches and indicators may be in any state.
2. Set up Format mode	Press RECYCLE. Observe RECYCLE indicator light.
3. Seek to the defective track	Position the CPU CONTROL switch to INPUT REG. Press CLEAR. Using the INPUT REGISTER DATA-ENTRY switches as directed in Figure 3-2, load a function word with a Position With Interrupt code (octal 30), with the address at which the error has occurred in bits 22 thru 0. (If the system has fully expanded addressing, bit 23 will also be used — as the MSB of the position number.) Press EF. The disks will seek to the desired file, unit, head, and sector.
4. Note the translated disk address	Put the CPU CONTROL switch to REGISTER. Read the translated address in bits 25 thru 0 and write it down. Bit assignments are shown below: 25–23 File; 22–20 Unit; 19–11 Cylinder; 10–6 Head; 5–0 Sector
5. Check the translated address	Apply Algorithm I (Figure 3-9) and translate the Fastrand error address to disk. The result must agree with the readout of Step 4.

CAUTION

The address translation check of Step 5 must work out correctly before proceeding. If the system being bad-spotted is an overflow system, then the straightforward translation of Step 5 may not give the correct result. Refer to the paragraph "Address Translation when Bad-Spotting Overflow Systems".

6. Lock on unit	Put INHIBIT UNIT CNTR on.

TABLE 3-3. BAD-SPOTTING PROCEDURE (Continued)

Operation	Details
	Note *This disables any further updating of the unit counter during the balance of this procedure. No matter what the input address used while INHIBIT UNIT CNTR is on, the disk address will always contain the unit number set in Step 3.*
7. Disable expanded address function	Put EXPAND ADDRESS to off.
	Note *This removes bit 23 as the MSB of the position number and permits this bit to be used as the address control bit in a later operation. Now, with the unit number of the address error location locked in and the expanded address function disabled, all addresses must be as if for Unit 0. The next step demonstrates this.*
8. Convert the error address to its Unit 0 equivalent and to Sector 0 of the defective track	File and track/sector numbers are the same for all units; therefore to convert to unit 0 it is necessary only to change the position number, as follows. Divide the position number of the Fastrand error address by 84, carrying out the division only to the nearest integer (no decimal); the remainder is the position number to use for unit 0. EXAMPLE: Convert file 0, position 524, track/sector 1056 to its unit 0 equivalent: $84\overline{)524}$ = 6, 504, 20 (remainder) The unit 0 equivalent is: File 0, Position 20, Track/Sector 1056 To convert to sector 0 of the track, look up the next lower address in Table 3-5. For our example this will be: File 0, Position 20, Track/Sector 1027 And its disk equivalent (from Table 3-5) is: File 0, Unit 0, Cyl 96, Head 9, Sector 0
9. Check the address conversion	Load a Position With Interrupt code (octal 30) into the input register, together with the unit 0 equivalent address obtained in Step 7, above, and press EF. Put the CPU CONTROL switch to REGISTER and note the bit pattern in the indicators. File, unit, cylinder, and head should be the same as were displayed in Step 4 and the sector number in bits 0-5 should be zero. If not, repeat steps 3 through 8.
	CAUTION *The address check must be correct in Step 9 before proceeding or the balance of this procedure will reformat the wrong track, possibly destroying data. If Steps 3 through 8 do not give correct results after repeating several times, call maintenance personnel.* *Also remember, that if the system has the overflow feature, the address relationships are different and the conversions given above will not work when the error address is in the overflow area for certain files. Refer to the paragraph "Address Translation when Bad-Spotting Overflow Systems".*

TABLE 3-3. BAD-SPOTTING PROCEDURE (Continued)

Operation	Details
10. Re-format the defective track	Press RECYCLE Load a Format code (15_8), with the address obtained in Step 8, into the input register and press EF. Note that the format sequence cycles F7800 — F7806. Press CLEAR to clear the input register. Note that the operation continues. Load a 1 in bit 26 (the defective flag) and load the cylinder number (in octal) of the chosen alternate cylinder into bits 27–35. With the drives locked on the unit selected in Step 3 (INHIBIT UNIT CNTR switch on), the addresses of alternate cylinders will be the same for all units, as follows:

Function Word Address (Decimal)		Function Word Address (Octal)		Disk Address (Octal)			
POS	Track/Sec	POS	Track/Sec	Unit	Cylinder	Head	Cylinder (Decimal)
84	796	124	1434	0	621	0	401
84	1656	124	3170	0	622	0	402
84	2516	124	4724	0	623	0	403
84	3376	124	6460	0	624	0	404
85	140	125	214	0	625	0	405

11. Stop and verify status	Press PROGRAM STEP. Operation will stop. Move the CPU CONTROL switch to OUTPUT REG and read the status code in the status bits; should be Normal Complete (40_8).

Note

The defective track pattern is now written into the headers of all sectors of the defective track, replacing the original addresses of the track.

12. Seek to the alternate track	Move the CPU CONTROL switch to INPUT REG and press CLEAR. Load a function word as follows: Function Code: Position With Interrupt (30_8) Bit 23: Zero Bits 0–22: Fastrand address in octal of the alternate track selected in Step 10. (These addresses are listed following Step 10.) Press EF. The disks will seek to the alternate cylinder.
13. Verify status	Move the CPU CONTROL switch to OUTPUT REG and observe Normal Complete (40_8) in the status bits.
14. Format the alternate track	Press RECYCLE. Move the CPU CONTROL switch to INPUT REG and press CLEAR. Load a function word as follows: Function Code: Format (15_8) Bit 23: One Bits 0–22: Fastrand address in octal of the defective track selected in Step 10. Press EF and note that operation cycles F7800 — F7806.

TABLE 3-3. BAD-SPOTTING PROCEDURE (Continued)

Operation	Details
	Note *With bit 23, the ACB, set to one in the Format word, re-positioning is inhibited and the heads remain at the alternate cylinder selected at stop 12. The alternate track is formatted with all header information exactly as it was on the original defective track. Also, the logic automatically sets the sector number to zero so that formatting starts at the beginning of the track.* *If a read is now directed to the defective track, an automatic seek to the alternate track will occur, and when its headers are read, they will compare correctly with the track address to which the read was directed.*
15. Stop and verify status	Press PROGRAM STEP; operation stops. Move the CPU CONTROL switch to OUTPUT REG and verify Normal Complete (40_8) in the status bits.
16. Validate the bad-spot	Using the Write/Read Check procedure (Table 3-4), write a known bit pattern at the address of the defective track and read it back. Note that the operation proceeds successfully and that the bit pattern remains stable during the read.

TABLE 3-4. WRITE/READ CHECK

Preliminary:

1. Use this check to verify that the disks of a pack, or packs, are in condition for storage and retrieval of data, i.e., correctly formatted and without surface errors. (Previously-recorded data will be destroyed.)

2. The starting address for this operation may be any. If one is checking newly-formatted disk packs the address should be the first sector of the file (unit 0, cylinder 0, head 0, sector 0). If the presence of a hard address error on a track is being verified (see "Bad-Spotting") use the sector 0 address of the track, selected from Table 3-5; then leave ADVANCE HEAD and ADVANCE CYLINDER off and the write or read will be confined to the track.

3. This procedure must be performed with the controller offline, that is, in DVR (Maintenance) mode. If the controller is a dual-channel model, both channels must be placed offline. The operations will *run* on one channel with the other operating online but there is danger of interference and data loss.

   From online, the DVR condition is placed in effect by selecting a channel with the CHANNEL DISPLAY switch (A or B), putting the DVR/NORMAL switch for that channel in DVR and pressing either PROGRAM STEP, RECYCLE, or CLOCK STEP. The MAINT indicator will light, indicating that the offline state is in effect. For dual-channel machines, be sure that both MAINT indicators are lighted before proceeding.

5. Controls used are on the Mode Select Panel (Figure 2-1) or the Maintenance Panel (Figure 2-2).

6. If any indication is not as described, repeat from Step 1. If still in error notify maintenance personnel.

Operation	Details
1. Check control settings and indicators	On the Maintenance Panel: *Indicators* MAINT and DVR should be on, STNBY and ONLINE off. *Switches* DVR (both) and ERROR OVERRIDE off. On the Mode Select Panel: EXPAND ADDRESS in the normal online position, all others off. Other switches and indicators may be in any state.
2. Set in Recycle mode	Press RECYCLE. Observe RECYCLE indicator lights.

TABLE 3-4. WRITE/READ CHECK (Continued)

Operation	Details
3. Load Write function	Position the CPU CONTROL switch to INPUT REG. Press CLEAR switch. Using the INPUT REGISTER DATA-ENTRY switches as directed in Figure 2-2, load Write code 12_8 (001010) into the function code bits (Figure 3-4) of the input register. Load the starting address desired into bits 0–22.
4. Execute	Press EF. Observe that the W77 indicator and 1 through 9 in the lower row of Control Sequence indicators cycle on and off (Others will cycle also.)
5. Load the data pattern	Press CLEAR. Observe that cycle continues. Enter any combination of ones and zeros desired with the INPUT REGISTER DATA ENTRY switches. **Note:** *With RECYCLE on, the data pattern entered in Step 5 is now being written repeatedly from the sector number of the starting address to the end of the track. If the starting sector was zero, the whole track is being written.*
Note *At this point, if only the single track is to be written, press PROGRAM STEP to stop the operation. The data pattern will be left in all sectors of the track. Skip Step 6 and proceed to Step 7.*	
6. Extend writing through the file	Turn on, in order: ADVANCE HEAD ADVANCE CYLINDER Press PROGRAM STEP.
7. Verify status	When cycling through the indicators ceases, indicating that the write is complete, turn the CPU CONTROL switch to OUTPUT REG. From the REGISTER DISPLAY indicators, read the status code in the status bits (Figure 3-3). The code should be Normal Complete, 40_8 (100000). If the code is not 40_8 refer to Figure 3-3 to determine the code and thereby the error which has occurred.
8. Set up a Read operation	Press RECYCLE. Observe RECYCLE indicator light. Turn off ADVANCE HEAD and ADVANCE CYLINDER. Move the CPU CONTROL switch to INPUT REG and press CLEAR. Using the INPUT REGISTER DATA-ENTRY switches, load Read code 52_8 (101010) into the function code field of the input register. Load the same starting address as used in Step 3 into bits 0–22.
9. Execute	Press EF. Observe the indicators cycling through R75 and in the lower row. (Others will cycle.) **Note:** *If indications are as stated, reading is now from the selected track in the Recycle mode.*
10. Observe the read pattern	Move the CPU CONTROL switch to OUTPUT REG. The bit pattern displayed should remain constant and be the same as entered in Step 5 for the write.
11. Extend the read through the file	Turn on, in order: ADVANCE HEAD ADVANCE CYLINDER The bit pattern should hold as the read progresses throughout the file. Press PROGRAM STEP to cause the read to terminate when end-of-file is reached.
12. Verify status	Observe Normal Complete, 40_8, in the status code bits when indicator cycling ceases.

TABLE 3-5. TRACK ADDRESSES, FUNCTION WORD TO DISK EQUIVALENTS

The following pages contain a computer-generated list of the starting addresses of all tracks in unit 0 of any file. This same set of addresses is valid for any unit except that the position number will increase by 84 for each higher-numbered unit. The following examples illustrate use of the table. *This table applies to modular systems only.*

FUNCTION WORD TO DISK

GENERAL: Divide the position number by 84; the quotient is the unit number and the remainder is the position number to use in the table.

EXAMPLE:

Translate Position 104, Track/Sector 0425 to disk:

(1) $\frac{104}{84} = 1$, Remainder = 20

(2) Unit number = Quotient = 1

(3) Look up Position 20, Track/Sector 425 in the table to find cylinder and head:

Cylinder = 95, Head = 15

The disk equivalent is:

Unit 1, Cylinder 95, Head 15, Sector 0

Or in octal:

Unit 1, Cylinder 137_8, Head 17_8, Sector 0

DISK TO FUNCTION WORD

GENERAL: Look up cylinder and head in table and read the unit 0 position number and track/sector. The track/sector is correct for any unit; modify the position number by adding to it Unit X 84.

EXAMPLE:

Translate Unit 5, Cylinder 203, Head 10:

(1) From table: POS = 42, TRACK/SECTOR = 2978

(2) Compute unit 5 position number:

42 + (5 X 84) = 462

The function word equivalent is:

Position 462, Track/Sector 2978

Or, in octal:

7165642_8

Note: *This address, of course, is beyond the limits of a Fastrand 192-position file and would be valid only in a system with expanded addressing and using bit 23 as the MSB of the position number.*

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
0	0	0	0	0	0	0	0	0	0	0	0
0	43	0	53	0	0	1	0	0	0	1	0
0	86	0	126	0	0	2	0	0	0	2	0
0	129	0	201	0	0	3	0	0	0	3	0
0	172	0	254	0	0	4	0	0	0	4	0
0	215	0	327	0	0	5	0	0	0	5	0
0	258	0	402	0	0	6	0	0	0	6	0
0	301	0	455	0	0	7	0	0	0	7	0
0	344	0	530	0	0	8	0	0	0	10	0
0	387	0	603	0	0	9	0	0	0	11	0
0	430	0	656	0	0	10	0	0	0	12	0
0	473	0	731	0	0	11	0	0	0	13	0
0	516	0	1004	0	0	12	0	0	0	14	0
0	559	0	1057	0	0	13	0	0	0	15	0
0	602	0	1132	0	0	14	0	0	0	16	0
0	645	0	1205	0	0	15	0	0	0	17	0
0	688	0	1260	0	0	16	0	0	0	20	0
0	731	0	1333	0	0	17	0	0	0	21	0
0	774	0	1406	0	0	18	0	0	0	22	0
0	817	0	1461	0	0	19	0	0	0	23	0
0	860	0	1534	0	1	0	0	0	1	0	0
0	903	0	1607	0	1	1	0	0	1	1	0
0	946	0	1662	0	1	2	0	0	1	2	0
0	989	0	1735	0	1	3	0	0	1	3	0
0	1032	0	2010	0	1	4	0	0	1	4	0
0	1075	0	2063	0	1	5	0	0	1	5	0
0	1118	0	2136	0	1	6	0	0	1	6	0
0	1161	0	2211	0	1	7	0	0	1	7	0
0	1204	0	2264	0	1	8	0	0	1	10	0
0	1247	0	2337	0	1	9	0	0	1	11	0
0	1290	0	2412	0	1	10	0	0	1	12	0
0	1333	0	2465	0	1	11	0	0	1	13	0
0	1376	0	2540	0	1	12	0	0	1	14	0
0	1419	0	2613	0	1	13	0	0	1	15	0
0	1462	0	2666	0	1	14	0	0	1	16	0
0	1505	0	2741	0	1	15	0	0	1	17	0
0	1548	0	3014	0	1	16	0	0	1	20	0
0	1591	0	3067	0	1	17	0	0	1	21	0
0	1634	0	3142	0	1	18	0	0	1	22	0
0	1677	0	3215	0	1	19	0	0	1	23	0
0	1720	0	3270	0	2	0	0	0	2	0	0
0	1763	0	3343	0	2	1	0	0	2	1	0
0	1806	0	3416	0	2	2	0	0	2	2	0
0	1849	0	3471	0	2	3	0	0	2	3	0
0	1892	0	3544	0	2	4	0	0	2	4	0
0	1935	0	3617	0	2	5	0	0	2	5	0
0	1978	0	3672	0	2	6	0	0	2	6	0
0	2021	0	3745	0	2	7	0	0	2	7	0
0	2064	0	4020	0	2	8	0	0	2	10	0
0	2107	0	4073	0	2	9	0	0	2	11	0
0	2150	0	4146	0	2	10	0	0	2	12	0
0	2193	0	4221	0	2	11	0	0	2	13	0
0	2236	0	4274	0	2	12	0	0	2	14	0
0	2279	0	4347	0	2	13	0	0	2	15	0
0	2322	0	4422	0	2	14	0	0	2	16	0
0	2365	0	4475	0	2	15	0	0	2	17	0
0	2408	0	4550	0	2	16	0	0	2	20	0
0	2451	0	4623	0	2	17	0	0	2	21	0
0	2494	0	4676	0	2	18	0	0	2	22	0
0	2537	0	4751	0	2	19	0	0	2	23	0
0	2580	0	5024	0	3	0	0	0	3	0	0
0	2623	0	5077	0	3	1	0	0	3	1	0
0	2666	0	5152	0	3	2	0	0	3	2	0
0	2709	0	5225	0	3	3	0	0	3	3	0
0	2752	0	5300	0	3	4	0	0	3	4	0
0	2795	0	5353	0	3	5	0	0	3	5	0
0	2838	0	5426	0	3	6	0	0	3	6	0
0	2881	0	5501	0	3	7	0	0	3	7	0
0	2924	0	5554	0	3	8	0	0	3	10	0
0	2967	0	5627	0	3	9	0	0	3	11	0
0	3010	0	5702	0	3	10	0	0	3	12	0
0	3053	0	5755	0	3	11	0	0	3	13	0
0	3096	0	6030	0	3	12	0	0	3	14	0
0	3139	0	6103	0	3	13	0	0	3	15	0
0	3182	0	6156	0	3	14	0	0	3	16	0
0	3225	0	6231	0	3	15	0	0	3	17	0
0	3268	0	6304	0	3	16	0	0	3	20	0
0	3311	0	6357	0	3	17	0	0	3	21	0
0	3354	0	6432	0	3	18	0	0	3	22	0
0	3397	0	6505	0	3	19	0	0	3	23	0
0	3440	0	6560	0	4	0	0	0	4	0	0
0	3483	0	6633	0	4	1	0	0	4	1	0
0	3526	0	6706	0	4	2	0	0	4	2	0
0	3569	0	6761	0	4	3	0	0	4	3	0
0	3612	0	7034	0	4	4	0	0	4	4	0
0	3655	0	7107	0	4	5	0	0	4	5	0
0	3698	0	7162	0	4	6	0	0	4	6	0
0	3741	0	7235	0	4	7	0	0	4	7	0
0	3784	0	7310	0	4	8	0	0	4	10	0
0	3827	0	7363	0	4	9	0	0	4	11	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
0	3870	0	7436	0	4	10	0	0	4	12	0
0	3913	0	7511	0	4	11	0	0	4	13	0
0	3956	0	7564	0	4	12	0	0	4	14	0
0	3999	0	7637	0	4	13	0	0	4	15	0
0	4042	0	7712	0	4	14	0	0	4	16	0
0	4085	0	7765	0	4	15	0	0	4	17	0
1	32	1	40	0	4	16	0	0	4	20	0
1	75	1	113	0	4	17	0	0	4	21	0
1	118	1	166	0	4	18	0	0	4	22	0
1	161	1	241	0	4	19	0	0	4	23	0
1	204	1	314	0	5	0	0	0	5	0	0
1	247	1	367	0	5	1	0	0	5	1	0
1	290	1	442	0	5	2	0	0	5	2	0
1	333	1	515	0	5	3	0	0	5	3	0
1	376	1	570	0	5	4	0	0	5	4	0
1	419	1	643	0	5	5	0	0	5	5	0
1	462	1	716	0	5	6	0	0	5	6	0
1	505	1	771	0	5	7	0	0	5	7	0
1	548	1	1044	0	5	8	0	0	5	10	0
1	591	1	1117	0	5	9	0	0	5	11	0
1	634	1	1172	0	5	10	0	0	5	12	0
1	677	1	1245	0	5	11	0	0	5	13	0
1	720	1	1320	0	5	12	0	0	5	14	0
1	763	1	1373	0	5	13	0	0	5	15	0
1	806	1	1446	0	5	14	0	0	5	16	0
1	849	1	1521	0	5	15	0	0	5	17	0
1	892	1	1574	0	5	16	0	0	5	20	0
1	935	1	1647	0	5	17	0	0	5	21	0
1	978	1	1722	0	5	18	0	0	5	22	0
1	1021	1	1775	0	5	19	0	0	5	23	0
1	1064	1	2050	0	6	0	0	0	6	0	0
1	1107	1	2123	0	6	1	0	0	6	1	0
1	1150	1	2176	0	6	2	0	0	6	2	0
1	1193	1	2251	0	6	3	0	0	6	3	0
1	1236	1	2324	0	6	4	0	0	6	4	0
1	1279	1	2377	0	6	5	0	0	6	5	0
1	1322	1	2452	0	6	6	0	0	6	6	0
1	1365	1	2525	0	6	7	0	0	6	7	0
1	1408	1	2600	0	6	8	0	0	6	10	0
1	1451	1	2653	0	6	9	0	0	6	11	0
1	1494	1	2726	0	6	10	0	0	6	12	0
1	1537	1	3001	0	6	11	0	0	6	13	0
1	1580	1	3054	0	6	12	0	0	6	14	0
1	1623	1	3127	0	6	13	0	0	6	15	0
1	1666	1	3202	0	6	14	0	0	6	16	0
1	1709	1	3255	0	6	15	0	0	6	17	0
1	1752	1	3330	0	6	16	0	0	6	20	0
1	1795	1	3403	0	6	17	0	0	6	21	0
1	1838	1	3456	0	6	18	0	0	6	22	0
1	1881	1	3531	0	6	19	0	0	6	23	0
1	1924	1	3604	0	7	0	0	0	7	0	0
1	1967	1	3657	0	7	1	0	0	7	1	0
1	2010	1	3732	0	7	2	0	0	7	2	0
1	2053	1	4005	0	7	3	0	0	7	3	0
1	2096	1	4060	0	7	4	0	0	7	4	0
1	2139	1	4133	0	7	5	0	0	7	5	0
1	2182	1	4206	0	7	6	0	0	7	6	0
1	2225	1	4261	0	7	7	0	0	7	7	0
1	2268	1	4334	0	7	8	0	0	7	10	0
1	2311	1	4407	0	7	9	0	0	7	11	0
1	2354	1	4462	0	7	10	0	0	7	12	0
1	2397	1	4535	0	7	11	0	0	7	13	0
1	2440	1	4610	0	7	12	0	0	7	14	0
1	2483	1	4663	0	7	13	0	0	7	15	0
1	2526	1	4736	0	7	14	0	0	7	16	0
1	2569	1	5011	0	7	15	0	0	7	17	0
1	2612	1	5064	0	7	16	0	0	7	20	0
1	2655	1	5137	0	7	17	0	0	7	21	0
1	2698	1	5212	0	7	18	0	0	7	22	0
1	2741	1	5265	0	7	19	0	0	7	23	0
1	2784	1	5340	0	8	0	0	0	10	0	0
1	2827	1	5413	0	8	1	0	0	10	1	0
1	2870	1	5466	0	8	2	0	0	10	2	0
1	2913	1	5541	0	8	3	0	0	10	3	0
1	2956	1	5614	0	8	4	0	0	10	4	0
1	2999	1	5667	0	8	5	0	0	10	5	0
1	3042	1	5742	0	8	6	0	0	10	6	0
1	3085	1	6015	0	8	7	0	0	10	7	0
1	3128	1	6070	0	8	8	0	0	10	10	0
1	3171	1	6143	0	8	9	0	0	10	11	0
1	3214	1	6216	0	8	10	0	0	10	12	0
1	3257	1	6271	0	8	11	0	0	10	13	0
1	3300	1	6344	0	8	12	0	0	10	14	0
1	3343	1	6417	0	8	13	0	0	10	15	0
1	3386	1	6472	0	8	14	0	0	10	16	0
1	3429	1	6545	0	8	15	0	0	10	17	0
1	3472	1	6620	0	8	16	0	0	10	20	0
1	3515	1	6673	0	8	17	0	0	10	21	0
1	3558	1	6746	0	8	18	0	0	10	22	0
1	3601	1	7021	0	8	19	0	0	10	23	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	F	F	G	H	I	J	K	L	M
1	3644	1	7074	0	9	0	0	0	11	0	0
1	3687	1	7147	0	9	1	0	0	11	1	0
1	3730	1	7222	0	9	2	0	0	11	2	0
1	3773	1	7275	0	9	3	0	0	11	3	0
1	3816	1	7350	0	9	4	0	0	11	4	0
1	3859	1	7423	0	9	5	0	0	11	5	0
1	3902	1	7476	0	9	6	0	0	11	6	0
1	3945	1	7551	0	9	7	0	0	11	7	0
1	3988	1	7624	0	9	8	0	0	11	10	0
1	4031	1	7677	0	9	9	0	0	11	11	0
1	4074	1	7752	0	9	10	0	0	11	12	0
2	21	2	25	0	9	11	0	0	11	13	0
2	64	2	100	0	9	12	0	0	11	14	0
2	107	2	153	0	9	13	0	0	11	15	0
2	150	2	226	0	9	14	0	0	11	16	0
2	193	2	301	0	9	15	0	0	11	17	0
2	236	2	354	0	9	16	0	0	11	20	0
2	279	2	427	0	9	17	0	0	11	21	0
2	322	2	502	0	9	18	0	0	11	22	0
2	365	2	555	0	9	19	0	0	11	23	0
2	408	2	630	0	10	0	0	0	12	0	0
2	451	2	703	0	10	1	0	0	12	1	0
2	494	2	756	0	10	2	0	0	12	2	0
2	537	2	1031	0	10	3	0	0	12	3	0
2	580	2	1104	0	10	4	0	0	12	4	0
2	623	2	1157	0	10	5	0	0	12	5	0
2	666	2	1232	0	10	6	0	0	12	6	0
2	709	2	1305	0	10	7	0	0	12	7	0
2	752	2	1360	0	10	8	0	0	12	10	0
2	795	2	1433	0	10	9	0	0	12	11	0
2	838	2	1506	0	10	10	0	0	12	12	0
2	881	2	1561	0	10	11	0	0	12	13	0
2	924	2	1634	0	10	12	0	0	12	14	0
2	967	2	1707	0	10	13	0	0	12	15	0
2	1010	2	1762	0	10	14	0	0	12	16	0
2	1053	2	2035	0	10	15	0	0	12	17	0
2	1096	2	2110	0	10	16	0	0	12	20	0
2	1139	2	2163	0	10	17	0	0	12	21	0
2	1182	2	2236	0	10	18	0	0	12	22	0
2	1225	2	2311	0	10	19	0	0	12	23	0
2	1268	2	2364	0	11	0	0	0	13	0	0
2	1311	2	2437	0	11	1	0	0	13	1	0
2	1354	2	2512	0	11	2	0	0	13	2	0
2	1397	2	2565	0	11	3	0	0	13	3	0
2	1440	2	2640	0	11	4	0	0	13	4	0
2	1483	2	2713	0	11	5	0	0	13	5	0
2	1526	2	2766	0	11	6	0	0	13	6	0
2	1569	2	3041	0	11	7	0	0	13	7	0
2	1612	2	3114	0	11	8	0	0	13	10	0
2	1655	2	3167	0	11	9	0	0	13	11	0
2	1698	2	3242	0	11	10	0	0	13	12	0
2	1741	2	3315	0	11	11	0	0	13	13	0
2	1784	2	3370	0	11	12	0	0	13	14	0
2	1827	2	3443	0	11	13	0	0	13	15	0
2	1870	2	3516	0	11	14	0	0	13	16	0
2	1913	2	3571	0	11	15	0	0	13	17	0
2	1956	2	3644	0	11	16	0	0	13	20	0
2	1999	2	3717	0	11	17	0	0	13	21	0
2	2042	2	3772	0	11	18	0	0	13	22	0
2	2085	2	4045	0	11	19	0	0	13	23	0
2	2128	2	4120	0	12	0	0	0	14	0	0
2	2171	2	4173	0	12	1	0	0	14	1	0
2	2214	2	4246	0	12	2	0	0	14	2	0
2	2257	2	4321	0	12	3	0	0	14	3	0
2	2300	2	4374	0	12	4	0	0	14	4	0
2	2343	2	4447	0	12	5	0	0	14	5	0
2	2386	2	4522	0	12	6	0	0	14	6	0
2	2429	2	4575	0	12	7	0	0	14	7	0
2	2472	2	4650	0	12	8	0	0	14	10	0
2	2515	2	4723	0	12	9	0	0	14	11	0
2	2558	2	4776	0	12	10	0	0	14	12	0
2	2601	2	5051	0	12	11	0	0	14	13	0
2	2644	2	5124	0	12	12	0	0	14	14	0
2	2687	2	5177	0	12	13	0	0	14	15	0
2	2730	2	5252	0	12	14	0	0	14	16	0
2	2773	2	5325	0	12	15	0	0	14	17	0
2	2816	2	5400	0	12	16	0	0	14	20	0
2	2859	2	5453	0	12	17	0	0	14	21	0
2	2902	2	5526	0	12	18	0	0	14	22	0
2	2945	2	5601	0	12	19	0	0	14	23	0
2	2988	2	5654	0	13	0	0	0	15	0	0
2	3031	2	5727	0	13	1	0	0	15	1	0
2	3074	2	6002	0	13	2	0	0	15	2	0
2	3117	2	6055	0	13	3	0	0	15	3	0
2	3160	2	6130	0	13	4	0	0	15	4	0
2	3203	2	6203	0	13	5	0	0	15	5	0
2	3246	2	6256	0	13	6	0	0	15	6	0
2	3289	2	6331	0	13	7	0	0	15	7	0
2	3332	2	6404	0	13	8	0	0	15	10	0
2	3375	2	6457	0	13	9	0	0	15	11	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
2	3418	2	6632	0	13	10	0	0	15	12	0
2	3461	2	6705	0	13	11	0	0	15	13	0
2	3504	2	6660	0	13	12	0	0	15	14	0
2	3547	2	6733	0	13	13	0	0	15	15	0
2	3590	2	7006	0	13	14	0	0	15	16	0
2	3633	2	7061	0	13	15	0	0	15	17	0
2	3676	2	7134	0	13	16	0	0	15	20	0
2	3719	2	7207	0	13	17	0	0	15	21	0
2	3762	2	7262	0	13	18	0	0	15	22	0
2	3805	2	7335	0	13	19	0	0	15	23	0
2	3848	2	7410	0	14	0	0	0	16	0	0
2	3891	2	7463	0	14	1	0	0	16	1	0
2	3934	2	7536	0	14	2	0	0	16	2	0
2	3977	2	7611	0	14	3	0	0	16	3	0
2	4020	2	7664	0	14	4	0	0	16	4	0
2	4063	2	7737	0	14	5	0	0	16	5	0
3	10	3	12	0	14	6	0	0	16	6	0
3	53	3	65	0	14	7	0	0	16	7	0
3	96	3	140	0	14	8	0	0	16	10	0
3	139	3	213	0	14	9	0	0	16	11	0
3	182	3	266	0	14	10	0	0	16	12	0
3	225	3	341	0	14	11	0	0	16	13	0
3	268	3	414	0	14	12	0	0	16	14	0
3	311	3	467	0	14	13	0	0	16	15	0
3	354	3	542	0	14	14	0	0	16	16	0
3	397	3	615	0	14	15	0	0	16	17	0
3	440	3	670	0	14	16	0	0	16	20	0
3	483	3	743	0	14	17	0	0	16	21	0
3	526	3	1016	0	14	18	0	0	16	22	0
3	569	3	1071	0	14	19	0	0	16	23	0
3	612	3	1144	0	15	0	0	0	17	0	0
3	655	3	1217	0	15	1	0	0	17	1	0
3	698	3	1272	0	15	2	0	0	17	2	0
3	741	3	1345	0	15	3	0	0	17	3	0
3	784	3	1420	0	15	4	0	0	17	4	0
3	827	3	1473	0	15	5	0	0	17	5	0
3	870	3	1546	0	15	6	0	0	17	6	0
3	913	3	1621	0	15	7	0	0	17	7	0
3	956	3	1674	0	15	8	0	0	17	10	0
3	999	3	1747	0	15	9	0	0	17	11	0
3	1042	3	2022	0	15	10	0	0	17	12	0
3	1085	3	2075	0	15	11	0	0	17	13	0
3	1128	3	2150	0	15	12	0	0	17	14	0
3	1171	3	2223	0	15	13	0	0	17	15	0
3	1214	3	2276	0	15	14	0	0	17	16	0
3	1257	3	2351	0	15	15	0	0	17	17	0
3	1300	3	2424	0	15	16	0	0	17	20	0
3	1343	3	2477	0	15	17	0	0	17	21	0
3	1386	3	2552	0	15	18	0	0	17	22	0
3	1429	3	2625	0	15	19	0	0	17	23	0
3	1472	3	2700	0	16	0	0	0	20	0	0
3	1515	3	2753	0	16	1	0	0	20	1	0
3	1558	3	3026	0	16	2	0	0	20	2	0
3	1601	3	3101	0	16	3	0	0	20	3	0
3	1644	3	3154	0	16	4	0	0	20	4	0
3	1687	3	3227	0	16	5	0	0	20	5	0
3	1730	3	3302	0	16	6	0	0	20	6	0
3	1773	3	3355	0	16	7	0	0	20	7	0
3	1816	3	3430	0	16	8	0	0	20	10	0
3	1859	3	3503	0	16	9	0	0	20	11	0
3	1902	3	3556	0	16	10	0	0	20	12	0
3	1945	3	3631	0	16	11	0	0	20	13	0
3	1988	3	3704	0	16	12	0	0	20	14	0
3	2031	3	3757	0	16	13	0	0	20	15	0
3	2074	3	4032	0	16	14	0	0	20	16	0
3	2117	3	4105	0	16	15	0	0	20	17	0
3	2160	3	4160	0	16	16	0	0	20	20	0
3	2203	3	4233	0	16	17	0	0	20	21	0
3	2246	3	4306	0	16	18	0	0	20	22	0
3	2289	3	4361	0	16	19	0	0	20	23	0
3	2332	3	4434	0	17	0	0	0	21	0	0
3	2375	3	4507	0	17	1	0	0	21	1	0
3	2418	3	4562	0	17	2	0	0	21	2	0
3	2461	3	4635	0	17	3	0	0	21	3	0
3	2504	3	4710	0	17	4	0	0	21	4	0
3	2547	3	4763	0	17	5	0	0	21	5	0
3	2590	3	5036	0	17	6	0	0	21	6	0
3	2633	3	5111	0	17	7	0	0	21	7	0
3	2676	3	5164	0	17	8	0	0	21	10	0
3	2719	3	5237	0	17	9	0	0	21	11	0
3	2762	3	5312	0	17	10	0	0	21	12	0
3	2805	3	5365	0	17	11	0	0	21	13	0
3	2848	3	5440	0	17	12	0	0	21	14	0
3	2891	3	5513	0	17	13	0	0	21	15	0
3	2934	3	5566	0	17	14	0	0	21	16	0
3	2977	3	5641	0	17	15	0	0	21	17	0
3	3020	3	5714	0	17	16	0	0	21	20	0
3	3063	3	5767	0	17	17	0	0	21	21	0
3	3106	3	6042	0	17	18	0	0	21	22	0
3	3149	3	6115	0	17	19	0	0	21	23	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
3	3192	3	6170	0	18	0	0	0	22	0	0
3	3235	3	6243	0	18	1	0	0	22	1	0
3	3278	3	6316	0	18	2	0	0	22	2	0
3	3321	3	6371	0	18	3	0	0	22	3	0
3	3364	3	6444	0	18	4	0	0	22	4	0
3	3407	3	6517	0	18	5	0	0	22	5	0
3	3450	3	6572	0	18	6	0	0	22	6	0
3	3493	3	6645	0	18	7	0	0	22	7	0
3	3536	3	6720	0	18	8	0	0	22	10	0
3	3579	3	6773	0	18	9	0	0	22	11	0
3	3622	3	7046	0	18	10	0	0	22	12	0
3	3665	3	7121	0	18	11	0	0	22	13	0
3	3708	3	7174	0	18	12	0	0	22	14	0
3	3751	3	7247	0	18	13	0	0	22	15	0
3	3794	3	7322	0	18	14	0	0	22	16	0
3	3837	3	7375	0	18	15	0	0	22	17	0
3	3880	3	7450	0	18	16	0	0	22	20	0
3	3923	3	7523	0	18	17	0	0	22	21	0
3	3966	3	7576	0	18	18	0	0	22	22	0
3	4009	3	7651	0	18	19	0	0	22	23	0
3	4052	3	7724	0	19	0	0	0	23	0	0
3	4095	3	7777	0	19	1	0	0	23	1	0
4	42	4	52	0	19	2	0	0	23	2	0
4	85	4	125	0	19	3	0	0	23	3	0
4	128	4	200	0	19	4	0	0	23	4	0
4	171	4	253	0	19	5	0	0	23	5	0
4	214	4	326	0	19	6	0	0	23	6	0
4	257	4	401	0	19	7	0	0	23	7	0
4	300	4	454	0	19	8	0	0	23	10	0
4	343	4	527	0	19	9	0	0	23	11	0
4	386	4	602	0	19	10	0	0	23	12	0
4	429	4	655	0	19	11	0	0	23	13	0
4	472	4	730	0	19	12	0	0	23	14	0
4	515	4	1003	0	19	13	0	0	23	15	0
4	558	4	1056	0	19	14	0	0	23	16	0
4	601	4	1131	0	19	15	0	0	23	17	0
4	644	4	1204	0	19	16	0	0	23	20	0
4	687	4	1257	0	19	17	0	0	23	21	0
4	730	4	1332	0	19	18	0	0	23	22	0
4	773	4	1405	0	19	19	0	0	23	23	0
4	816	4	1460	0	20	0	0	0	24	0	0
4	859	4	1533	0	20	1	0	0	24	1	0
4	902	4	1606	0	20	2	0	0	24	2	0
4	945	4	1661	0	20	3	0	0	24	3	0
4	988	4	1734	0	20	4	0	0	24	4	0
4	1031	4	2007	0	20	5	0	0	24	5	0
4	1074	4	2062	0	20	6	0	0	24	6	0
4	1117	4	2135	0	20	7	0	0	24	7	0
4	1160	4	2210	0	20	8	0	0	24	10	0
4	1203	4	2263	0	20	9	0	0	24	11	0
4	1246	4	2336	0	20	10	0	0	24	12	0
4	1289	4	2411	0	20	11	0	0	24	13	0
4	1332	4	2464	0	20	12	0	0	24	14	0
4	1375	4	2537	0	20	13	0	0	24	15	0
4	1418	4	2612	0	20	14	0	0	24	16	0
4	1461	4	2665	0	20	15	0	0	24	17	0
4	1504	4	2740	0	20	16	0	0	24	20	0
4	1547	4	3013	0	20	17	0	0	24	21	0
4	1590	4	3066	0	20	18	0	0	24	22	0
4	1633	4	3141	0	20	19	0	0	24	23	0
4	1676	4	3214	0	21	0	0	0	25	0	0
4	1719	4	3267	0	21	1	0	0	25	1	0
4	1762	4	3342	0	21	2	0	0	25	2	0
4	1805	4	3415	0	21	3	0	0	25	3	0
4	1848	4	3470	0	21	4	0	0	25	4	0
4	1891	4	3543	0	21	5	0	0	25	5	0
4	1934	4	3616	0	21	6	0	0	25	6	0
4	1977	4	3671	0	21	7	0	0	25	7	0
4	2020	4	3744	0	21	8	0	0	25	10	0
4	2063	4	4017	0	21	9	0	0	25	11	0
4	2106	4	4072	0	21	10	0	0	25	12	0
4	2149	4	4145	0	21	11	0	0	25	13	0
4	2192	4	4220	0	21	12	0	0	25	14	0
4	2235	4	4273	0	21	13	0	0	25	15	0
4	2278	4	4346	0	21	14	0	0	25	16	0
4	2321	4	4421	0	21	15	0	0	25	17	0
4	2364	4	4474	0	21	16	0	0	25	20	0
4	2407	4	4547	0	21	17	0	0	25	21	0
4	2450	4	4622	0	21	18	0	0	25	22	0
4	2493	4	4675	0	21	19	0	0	25	23	0
4	2536	4	4750	0	22	0	0	0	26	0	0
4	2579	4	5023	0	22	1	0	0	26	1	0
4	2622	4	5076	0	22	2	0	0	26	2	0
4	2665	4	5151	0	22	3	0	0	26	3	0
4	2708	4	5224	0	22	4	0	0	26	4	0
4	2751	4	5277	0	22	5	0	0	26	5	0
4	2794	4	5352	0	22	6	0	0	26	6	0
4	2837	4	5425	0	22	7	0	0	26	7	0
4	2880	4	5500	0	22	8	0	0	26	10	0
4	2923	4	5553	0	22	9	0	0	26	11	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
D	C	D	E	F	G	H	I	J	K	L	M
4	2966	4	5526	0	22	10	0	0	26	12	0
4	3009	4	5701	0	22	11	0	0	26	13	0
4	3052	4	5754	0	22	12	0	0	26	14	0
4	3095	4	6027	0	22	13	0	0	26	15	0
4	3138	4	6102	0	22	14	0	0	26	16	0
4	3181	4	6155	0	22	15	0	0	26	17	0
4	3224	4	6230	0	22	16	0	0	26	20	0
4	3267	4	6303	0	22	17	0	0	26	21	0
4	3310	4	6356	0	22	18	0	0	26	22	0
4	3353	4	6431	0	22	19	0	0	26	23	0
4	3396	4	6504	0	23	0	0	0	27	0	0
4	3439	4	6557	0	23	1	0	0	27	1	0
4	3482	4	6632	0	23	2	0	0	27	2	0
4	3525	4	6705	0	23	3	0	0	27	3	0
4	3568	4	6760	0	23	4	0	0	27	4	0
4	3611	4	7033	0	23	5	0	0	27	5	0
4	3654	4	7106	0	23	6	0	0	27	6	0
4	3697	4	7161	0	23	7	0	0	27	7	0
4	3740	4	7234	0	23	8	0	0	27	10	0
4	3783	4	7307	0	23	9	0	0	27	11	0
4	3826	4	7362	0	23	10	0	0	27	12	0
4	3869	4	7435	0	23	11	0	0	27	13	0
4	3912	4	7510	0	23	12	0	0	27	14	0
4	3955	4	7563	0	23	13	0	0	27	15	0
4	3998	4	7636	0	23	14	0	0	27	16	0
4	4041	4	7711	0	23	15	0	0	27	17	0
4	4084	4	7764	0	23	16	0	0	27	20	0
5	31	5	37	0	23	17	0	0	27	21	0
5	74	5	112	0	23	18	0	0	27	22	0
5	117	5	165	0	23	19	0	0	27	23	0
5	160	5	240	0	24	0	0	0	30	0	0
5	203	5	313	0	24	1	0	0	30	1	0
5	246	5	366	0	24	2	0	0	30	2	0
5	289	5	441	0	24	3	0	0	30	3	0
5	332	5	514	0	24	4	0	0	30	4	0
5	375	5	567	0	24	5	0	0	30	5	0
5	418	5	642	0	24	6	0	0	30	6	0
5	461	5	715	0	24	7	0	0	30	7	0
5	504	5	770	0	24	8	0	0	30	10	0
5	547	5	1043	0	24	9	0	0	30	11	0
5	590	5	1116	0	24	10	0	0	30	12	0
5	633	5	1171	0	24	11	0	0	30	13	0
5	676	5	1244	0	24	12	0	0	30	14	0
5	719	5	1317	0	24	13	0	0	30	15	0
5	762	5	1372	0	24	14	0	0	30	16	0
5	805	5	1445	0	24	15	0	0	30	17	0
5	848	5	1520	0	24	16	0	0	30	20	0
5	891	5	1573	0	24	17	0	0	30	21	0
5	934	5	1646	0	24	18	0	0	30	22	0
5	977	5	1721	0	24	19	0	0	30	23	0
5	1020	5	1774	0	25	0	0	0	31	0	0
5	1063	5	2047	0	25	1	0	0	31	1	0
5	1106	5	2122	0	25	2	0	0	31	2	0
5	1149	5	2175	0	25	3	0	0	31	3	0
5	1192	5	2250	0	25	4	0	0	31	4	0
5	1235	5	2323	0	25	5	0	0	31	5	0
5	1278	5	2376	0	25	6	0	0	31	6	0
5	1321	5	2451	0	25	7	0	0	31	7	0
5	1364	5	2524	0	25	8	0	0	31	10	0
5	1407	5	2577	0	25	9	0	0	31	11	0
5	1450	5	2652	0	25	10	0	0	31	12	0
5	1493	5	2725	0	25	11	0	0	31	13	0
5	1536	5	3000	0	25	12	0	0	31	14	0
5	1579	5	3053	0	25	13	0	0	31	15	0
5	1622	5	3126	0	25	14	0	0	31	16	0
5	1665	5	3201	0	25	15	0	0	31	17	0
5	1708	5	3254	0	25	16	0	0	31	20	0
5	1751	5	3327	0	25	17	0	0	31	21	0
5	1794	5	3402	0	25	18	0	0	31	22	0
5	1837	5	3455	0	25	19	0	0	31	23	0
5	1880	5	3530	0	26	0	0	0	32	0	0
5	1923	5	3603	0	26	1	0	0	32	1	0
5	1966	5	3656	0	26	2	0	0	32	2	0
5	2009	5	3731	0	26	3	0	0	32	3	0
5	2052	5	4004	0	26	4	0	0	32	4	0
5	2095	5	4057	0	26	5	0	0	32	5	0
5	2138	5	4132	0	26	6	0	0	32	6	0
5	2181	5	4205	0	26	7	0	0	32	7	0
5	2224	5	4260	0	26	8	0	0	32	10	0
5	2267	5	4333	0	26	9	0	0	32	11	0
5	2310	5	4406	0	26	10	0	0	32	12	0
5	2353	5	4461	0	26	11	0	0	32	13	0
5	2396	5	4534	0	26	12	0	0	32	14	0
5	2439	5	4607	0	26	13	0	0	32	15	0
5	2482	5	4662	0	26	14	0	0	32	16	0
5	2525	5	4735	0	26	15	0	0	32	17	0
5	2568	5	5010	0	26	16	0	0	32	20	0
5	2611	5	5063	0	26	17	0	0	32	21	0
5	2654	5	5136	0	26	18	0	0	32	22	0
5	2697	5	5211	0	26	19	0	0	32	23	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS B	TRACK/SEC C	POS D	TRACK/SEC E	UNIT F	CYL G	HEAD H	SEC I	UNIT J	CYL K	HEAD L	SEC M
5	2740	5	5264	0	27	0	0	0	33	0	0
5	2783	5	5337	0	27	1	0	0	33	1	0
5	2826	5	5412	0	27	2	0	0	33	2	0
5	2869	5	5465	0	27	3	0	0	33	3	0
5	2912	5	5540	0	27	4	0	0	33	4	0
5	2955	5	5613	0	27	5	0	0	33	5	0
5	2998	5	5666	0	27	6	0	0	33	6	0
5	3041	5	5741	0	27	7	0	0	33	7	0
5	3084	5	6014	0	27	8	0	0	33	10	0
5	3127	5	6067	0	27	9	0	0	33	11	0
5	3170	5	6142	0	27	10	0	0	33	12	0
5	3213	5	6215	0	27	11	0	0	33	13	0
5	3256	5	6270	0	27	12	0	0	33	14	0
5	3299	5	6343	0	27	13	0	0	33	15	0
5	3342	5	6416	0	27	14	0	0	33	16	0
5	3385	5	6471	0	27	15	0	0	33	17	0
5	3428	5	6544	0	27	16	0	0	33	20	0
5	3471	5	6617	0	27	17	0	0	33	21	0
5	3514	5	6672	0	27	18	0	0	33	22	0
5	3557	5	6745	0	27	19	0	0	33	23	0
5	3600	5	7020	0	28	0	0	0	34	0	0
5	3643	5	7073	0	28	1	0	0	34	1	0
5	3686	5	7146	0	28	2	0	0	34	2	0
5	3729	5	7221	0	28	3	0	0	34	3	0
5	3772	5	7274	0	28	4	0	0	34	4	0
5	3815	5	7347	0	28	5	0	0	34	5	0
5	3858	5	7422	0	28	6	0	0	34	6	0
5	3901	5	7475	0	28	7	0	0	34	7	0
5	3944	5	7550	0	28	8	0	0	34	10	0
5	3987	5	7623	0	28	9	0	0	34	11	0
5	4030	5	7676	0	28	10	0	0	34	12	0
5	4073	5	7751	0	28	11	0	0	34	13	0
6	20	6	24	0	28	12	0	0	34	14	0
6	63	6	77	0	28	13	0	0	34	15	0
6	106	6	152	0	28	14	0	0	34	16	0
6	149	6	225	0	28	15	0	0	34	17	0
6	192	6	300	0	28	16	0	0	34	20	0
6	235	6	353	0	28	17	0	0	34	21	0
6	278	6	426	0	28	18	0	0	34	22	0
6	321	6	501	0	28	19	0	0	34	23	0
6	364	6	554	0	29	0	0	0	35	0	0
6	407	6	627	0	29	1	0	0	35	1	0
6	450	6	702	0	29	2	0	0	35	2	0
6	493	6	755	0	29	3	0	0	35	3	0
6	536	6	1030	0	29	4	0	0	35	4	0
6	579	6	1103	0	29	5	0	0	35	5	0
6	622	6	1156	0	29	6	0	0	35	6	0
6	665	6	1231	0	29	7	0	0	35	7	0
6	708	6	1304	0	29	8	0	0	35	10	0
6	751	6	1357	0	29	9	0	0	35	11	0
6	794	6	1432	0	29	10	0	0	35	12	0
6	837	6	1505	0	29	11	0	0	35	13	0
6	880	6	1560	0	29	12	0	0	35	14	0
6	923	6	1633	0	29	13	0	0	35	15	0
6	966	6	1706	0	29	14	0	0	35	16	0
6	1009	6	1761	0	29	15	0	0	35	17	0
6	1052	6	2034	0	29	16	0	0	35	20	0
6	1095	6	2107	0	29	17	0	0	35	21	0
6	1138	6	2162	0	29	18	0	0	35	22	0
6	1181	6	2235	0	29	19	0	0	35	23	0
6	1224	6	2310	0	30	0	0	0	36	0	0
6	1267	6	2363	0	30	1	0	0	36	1	0
6	1310	6	2436	0	30	2	0	0	36	2	0
6	1353	6	2511	0	30	3	0	0	36	3	0
6	1396	6	2564	0	30	4	0	0	36	4	0
6	1439	6	2637	0	30	5	0	0	36	5	0
6	1482	6	2712	0	30	6	0	0	36	6	0
6	1525	6	2765	0	30	7	0	0	36	7	0
6	1568	6	3040	0	30	8	0	0	36	10	0
6	1611	6	3113	0	30	9	0	0	36	11	0
6	1654	6	3166	0	30	10	0	0	36	12	0
6	1697	6	3241	0	30	11	0	0	36	13	0
6	1740	6	3314	0	30	12	0	0	36	14	0
6	1783	6	3367	0	30	13	0	0	36	15	0
6	1826	6	3442	0	30	14	0	0	36	16	0
6	1869	6	3515	0	30	15	0	0	36	17	0
6	1912	6	3570	0	30	16	0	0	36	20	0
6	1955	6	3643	0	30	17	0	0	36	21	0
6	1998	6	3716	0	30	18	0	0	36	22	0
6	2041	6	3771	0	30	19	0	0	36	23	0
6	2084	6	4044	0	31	0	0	0	37	0	0
6	2127	6	4117	0	31	1	0	0	37	1	0
6	2170	6	4172	0	31	2	0	0	37	2	0
6	2213	6	4245	0	31	3	0	0	37	3	0
6	2256	6	4320	0	31	4	0	0	37	4	0
6	2299	6	4373	0	31	5	0	0	37	5	0
6	2342	6	4446	0	31	6	0	0	37	6	0
6	2385	6	4521	0	31	7	0	0	37	7	0
6	2428	6	4574	0	31	8	0	0	37	10	0
6	2471	6	4647	0	31	9	0	0	37	11	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
5	2514	6	4722	0	31	10	0	0	37	12	0
6	2557	6	4775	0	31	11	0	0	37	13	0
6	2600	6	5350	0	31	12	0	0	37	14	0
6	2643	6	5123	0	31	13	0	0	37	15	0
6	2686	6	5176	0	31	14	0	0	37	16	0
6	2729	6	5251	0	31	15	0	0	37	17	0
6	2772	6	5324	0	31	16	0	0	37	20	0
6	2815	6	5377	0	31	17	0	0	37	21	0
6	2858	6	5452	0	31	18	0	0	37	22	0
6	2901	6	5525	0	31	19	0	0	37	23	0
6	2944	6	5600	0	32	0	0	0	40	0	0
6	2987	6	5653	0	32	1	0	0	40	1	0
6	3030	6	5726	0	32	2	0	0	40	2	0
6	3073	6	6001	0	32	3	0	0	40	3	0
6	3116	6	6054	0	32	4	0	0	40	4	0
6	3159	6	6127	0	32	5	0	0	40	5	0
6	3202	6	6202	0	32	6	0	0	40	6	0
6	3245	6	6255	0	32	7	0	0	40	7	0
6	3288	6	6330	0	32	8	0	0	40	10	0
6	3331	6	6403	0	32	9	0	0	40	11	0
6	3374	6	6456	0	32	10	0	0	40	12	0
6	3417	6	6531	0	32	11	0	0	40	13	0
6	3460	6	6604	0	32	12	0	0	40	14	0
6	3503	6	6657	0	32	13	0	0	40	15	0
6	3546	6	6732	0	32	14	0	0	40	16	0
6	3589	6	7005	0	32	15	0	0	40	17	0
6	3632	6	7060	0	32	16	0	0	40	20	0
6	3675	6	7133	0	32	17	0	0	40	21	0
6	3718	6	7206	0	32	18	0	0	40	22	0
6	3761	6	7261	0	32	19	0	0	40	23	0
6	3804	6	7334	0	33	0	0	0	41	0	0
6	3847	6	7407	0	33	1	0	0	41	1	0
6	3890	6	7462	0	33	2	0	0	41	2	0
6	3933	6	7535	0	33	3	0	0	41	3	0
6	3976	6	7610	0	33	4	0	0	41	4	0
6	4019	6	7663	0	33	5	0	0	41	5	0
6	4062	6	7736	0	33	6	0	0	41	6	0
7	9	7	11	0	33	7	0	0	41	7	0
7	52	7	64	0	33	8	0	0	41	10	0
7	95	7	137	0	33	9	0	0	41	11	0
7	138	7	212	0	33	10	0	0	41	12	0
7	181	7	265	0	33	11	0	0	41	13	0
7	224	7	340	0	33	12	0	0	41	14	0
7	267	7	413	0	33	13	0	0	41	15	0
7	310	7	466	0	33	14	0	0	41	16	0
7	353	7	541	0	33	15	0	0	41	17	0
7	396	7	614	0	33	16	0	0	41	20	0
7	439	7	667	0	33	17	0	0	41	21	0
7	482	7	742	0	33	18	0	0	41	22	0
7	525	7	1015	0	33	19	0	0	41	23	0
7	568	7	1070	0	34	0	0	0	42	0	0
7	611	7	1143	0	34	1	0	0	42	1	0
7	654	7	1216	0	34	2	0	0	42	2	0
7	697	7	1271	0	34	3	0	0	42	3	0
7	740	7	1344	0	34	4	0	0	42	4	0
7	783	7	1417	0	34	5	0	0	42	5	0
7	826	7	1472	0	34	6	0	0	42	6	0
7	869	7	1545	0	34	7	0	0	42	7	0
7	912	7	1620	0	34	8	0	0	42	10	0
7	955	7	1673	0	34	9	0	0	42	11	0
7	998	7	1746	0	34	10	0	0	42	12	0
7	1041	7	2021	0	34	11	0	0	42	13	0
7	1084	7	2074	0	34	12	0	0	42	14	0
7	1127	7	2147	0	34	13	0	0	42	15	0
7	1170	7	2222	0	34	14	0	0	42	16	0
7	1213	7	2275	0	34	15	0	0	42	17	0
7	1256	7	2350	0	34	16	0	0	42	20	0
7	1299	7	2423	0	34	17	0	0	42	21	0
7	1342	7	2476	0	34	18	0	0	42	22	0
7	1385	7	2551	0	34	19	0	0	42	23	0
7	1428	7	2624	0	35	0	0	0	43	0	0
7	1471	7	2677	0	35	1	0	0	43	1	0
7	1514	7	2752	0	35	2	0	0	43	2	0
7	1557	7	3025	0	35	3	0	0	43	3	0
7	1600	7	3100	0	35	4	0	0	43	4	0
7	1643	7	3153	0	35	5	0	0	43	5	0
7	1686	7	3226	0	35	6	0	0	43	6	0
7	1729	7	3301	0	35	7	0	0	43	7	0
7	1772	7	3354	0	35	8	0	0	43	10	0
7	1815	7	3427	0	35	9	0	0	43	11	0
7	1858	7	3502	0	35	10	0	0	43	12	0
7	1901	7	3555	0	35	11	0	0	43	13	0
7	1944	7	3630	0	35	12	0	0	43	14	0
7	1987	7	3703	0	35	13	0	0	43	15	0
7	2030	7	3756	0	35	14	0	0	43	16	0
7	2073	7	4031	0	35	15	0	0	43	17	0
7	2116	7	4104	0	35	16	0	0	43	20	0
7	2159	7	4157	0	35	17	0	0	43	21	0
7	2202	7	4232	0	35	18	0	0	43	22	0
7	2245	7	4305	0	35	19	0	0	43	23	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
D	C	D	E	F	G	H	I	J	K	L	M
7	2268	7	4360	0	36	0	0	0	44	0	0
7	2331	7	4433	0	36	1	0	0	44	1	0
7	2374	7	4506	0	36	2	0	0	44	2	0
7	2417	7	4561	0	36	3	0	0	44	3	0
7	2460	7	4634	0	36	4	0	0	44	4	0
7	2503	7	4707	0	36	5	0	0	44	5	0
7	2546	7	4762	0	36	6	0	0	44	6	0
7	2589	7	5035	0	36	7	0	0	44	7	0
7	2632	7	5110	0	36	8	0	0	44	10	0
7	2675	7	5163	0	36	9	0	0	44	11	0
7	2718	7	5236	0	36	10	0	0	44	12	0
7	2761	7	5311	0	36	11	0	0	44	13	0
7	2804	7	5364	0	36	12	0	0	44	14	0
7	2847	7	5437	0	36	13	0	0	44	15	0
7	2890	7	5512	0	36	14	0	0	44	16	0
7	2933	7	5565	0	36	15	0	0	44	17	0
7	2976	7	5640	0	36	16	0	0	44	20	0
7	3019	7	5713	0	36	17	0	0	44	21	0
7	3062	7	5766	0	36	18	0	0	44	22	0
7	3105	7	6041	0	36	19	0	0	44	23	0
7	3148	7	6114	0	37	0	0	0	45	0	0
7	3191	7	6167	0	37	1	0	0	45	1	0
7	3234	7	6242	0	37	2	0	0	45	2	0
7	3277	7	6315	0	37	3	0	0	45	3	0
7	3320	7	6370	0	37	4	0	0	45	4	0
7	3363	7	6443	0	37	5	0	0	45	5	0
7	3406	7	6516	0	37	6	0	0	45	6	0
7	3449	7	6571	0	37	7	0	0	45	7	0
7	3492	7	6644	0	37	8	0	0	45	10	0
7	3535	7	6717	0	37	9	0	0	45	11	0
7	3578	7	6772	0	37	10	0	0	45	12	0
7	3621	7	7045	0	37	11	0	0	45	13	0
7	3664	7	7120	0	37	12	0	0	45	14	0
7	3707	7	7173	0	37	13	0	0	45	15	0
7	3750	7	7246	0	37	14	0	0	45	16	0
7	3793	7	7321	0	37	15	0	0	45	17	0
7	3836	7	7374	0	37	16	0	0	45	20	0
7	3879	7	7447	0	37	17	0	0	45	21	0
7	3922	7	7522	0	37	18	0	0	45	22	0
7	3965	7	7575	0	37	19	0	0	45	23	0
7	4008	7	7650	0	38	0	0	0	46	0	0
7	4051	7	7723	0	38	1	0	0	46	1	0
7	4094	7	7776	0	38	2	0	0	46	2	0
8	41	10	51	0	38	3	0	0	46	3	0
8	84	10	124	0	38	4	0	0	46	4	0
8	127	10	177	0	38	5	0	0	46	5	0
8	170	10	252	0	38	6	0	0	46	6	0
8	213	10	325	0	38	7	0	0	46	7	0
8	256	10	400	0	38	8	0	0	46	10	0
8	299	10	453	0	38	9	0	0	46	11	0
8	342	10	526	0	38	10	0	0	46	12	0
8	385	10	601	0	38	11	0	0	46	13	0
8	428	10	654	0	38	12	0	0	46	14	0
8	471	10	727	0	38	13	0	0	46	15	0
8	514	10	1002	0	38	14	0	0	46	16	0
8	557	10	1055	0	38	15	0	0	46	17	0
8	600	10	1130	0	38	16	0	0	46	20	0
8	643	10	1203	0	38	17	0	0	46	21	0
8	686	10	1256	0	38	18	0	0	46	22	0
8	729	10	1331	0	38	19	0	0	46	23	0
8	772	10	1404	0	39	0	0	0	47	0	0
8	815	10	1457	0	39	1	0	0	47	1	0
8	858	10	1532	0	39	2	0	0	47	2	0
8	901	10	1605	0	39	3	0	0	47	3	0
8	944	10	1660	0	39	4	0	0	47	4	0
8	987	10	1733	0	39	5	0	0	47	5	0
8	1030	10	2006	0	39	6	0	0	47	6	0
8	1073	10	2061	0	39	7	0	0	47	7	0
8	1116	10	2134	0	39	8	0	0	47	10	0
8	1159	10	2207	0	39	9	0	0	47	11	0
8	1202	10	2262	0	39	10	0	0	47	12	0
8	1245	10	2335	0	39	11	0	0	47	13	0
8	1288	10	2410	0	39	12	0	0	47	14	0
8	1331	10	2463	0	39	13	0	0	47	15	0
8	1374	10	2536	0	39	14	0	0	47	16	0
8	1417	10	2611	0	39	15	0	0	47	17	0
8	1460	10	2664	0	39	16	0	0	47	20	0
8	1503	10	2737	0	39	17	0	0	47	21	0
8	1546	10	3012	0	39	18	0	0	47	22	0
8	1589	10	3065	0	39	19	0	0	47	23	0
8	1632	10	3140	0	40	0	0	0	50	0	0
8	1675	10	3213	0	40	1	0	0	50	1	0
8	1718	10	3266	0	40	2	0	0	50	2	0
8	1761	10	3341	0	40	3	0	0	50	3	0
8	1804	10	3414	0	40	4	0	0	50	4	0
8	1847	10	3467	0	40	5	0	0	50	5	0
8	1890	10	3542	0	40	6	0	0	50	6	0
8	1933	10	3615	0	40	7	0	0	50	7	0
8	1976	10	3670	0	40	8	0	0	50	10	0
8	2019	10	3743	0	40	9	0	0	50	11	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
8	2062	10	4016	0	40	10	0	0	50	12	0
8	2105	10	4071	0	40	11	0	0	50	13	0
8	2148	10	4144	0	40	12	0	0	50	14	0
8	2191	10	4217	0	40	13	0	0	50	15	0
8	2234	10	4272	0	40	14	0	0	50	16	0
8	2277	10	4345	0	40	15	0	0	50	17	0
8	2320	10	4420	0	40	16	0	0	50	20	0
8	2363	10	4473	0	40	17	0	0	50	21	0
8	2406	10	4546	0	40	18	0	0	50	22	0
8	2449	10	4621	0	40	19	0	0	50	23	0
8	2492	10	4674	0	41	0	0	0	51	0	0
8	2535	10	4747	0	41	1	0	0	51	1	0
8	2578	10	5022	0	41	2	0	0	51	2	0
8	2621	10	5075	0	41	3	0	0	51	3	0
8	2664	10	5150	0	41	4	0	0	51	4	0
8	2707	10	5223	0	41	5	0	0	51	5	0
8	2750	10	5276	0	41	6	0	0	51	6	0
8	2793	10	5351	0	41	7	0	0	51	7	0
8	2836	10	5424	0	41	8	0	0	51	10	0
8	2879	10	5477	0	41	9	0	0	51	11	0
8	2922	10	5552	0	41	10	0	0	51	12	0
8	2965	10	5625	0	41	11	0	0	51	13	0
8	3008	10	5700	0	41	12	0	0	51	14	0
8	3051	10	5753	0	41	13	0	0	51	15	0
8	3094	10	6026	0	41	14	0	0	51	16	0
8	3137	10	6101	0	41	15	0	0	51	17	0
8	3180	10	6154	0	41	16	0	0	51	20	0
8	3223	10	6227	0	41	17	0	0	51	21	0
8	3266	10	6302	0	41	18	0	0	51	22	0
8	3309	10	6355	0	41	19	0	0	51	23	0
8	3352	10	6430	0	42	0	0	0	52	0	0
8	3395	10	6503	0	42	1	0	0	52	1	0
8	3438	10	6556	0	42	2	0	0	52	2	0
8	3481	10	6631	0	42	3	0	0	52	3	0
8	3524	10	6704	0	42	4	0	0	52	4	0
8	3567	10	6757	0	42	5	0	0	52	5	0
8	3610	10	7032	0	42	6	0	0	52	6	0
8	3653	10	7105	0	42	7	0	0	52	7	0
8	3696	10	7160	0	42	8	0	0	52	10	0
8	3739	10	7233	0	42	9	0	0	52	11	0
8	3782	10	7306	0	42	10	0	0	52	12	0
8	3825	10	7361	0	42	11	0	0	52	13	0
8	3868	10	7434	0	42	12	0	0	52	14	0
8	3911	10	7507	0	42	13	0	0	52	15	0
8	3954	10	7562	0	42	14	0	0	52	16	0
8	3997	10	7635	0	42	15	0	0	52	17	0
8	4040	10	7710	0	42	16	0	0	52	20	0
8	4083	10	7763	0	42	17	0	0	52	21	0
9	30	11	36	0	42	18	0	0	52	22	0
9	73	11	111	0	42	19	0	0	52	23	0
9	116	11	164	0	43	0	0	0	53	0	0
9	159	11	237	0	43	1	0	0	53	1	0
9	202	11	312	0	43	2	0	0	53	2	0
9	245	11	365	0	43	3	0	0	53	3	0
9	288	11	440	0	43	4	0	0	53	4	0
9	331	11	513	0	43	5	0	0	53	5	0
9	374	11	566	0	43	6	0	0	53	6	0
9	417	11	641	0	43	7	0	0	53	7	0
9	460	11	714	0	43	8	0	0	53	10	0
9	503	11	767	0	43	9	0	0	53	11	0
9	546	11	1042	0	43	10	0	0	53	12	0
9	589	11	1115	0	43	11	0	0	53	13	0
9	632	11	1170	0	43	12	0	0	53	14	0
9	675	11	1243	0	43	13	0	0	53	15	0
9	718	11	1316	0	43	14	0	0	53	16	0
9	761	11	1371	0	43	15	0	0	53	17	0
9	804	11	1444	0	43	16	0	0	53	20	0
9	847	11	1517	0	43	17	0	0	53	21	0
9	890	11	1572	0	43	18	0	0	53	22	0
9	933	11	1645	0	43	19	0	0	53	23	0
9	976	11	1720	0	44	0	0	0	54	0	0
9	1019	11	1773	0	44	1	0	0	54	1	0
9	1062	11	2046	0	44	2	0	0	54	2	0
9	1105	11	2121	0	44	3	0	0	54	3	0
9	1148	11	2174	0	44	4	0	0	54	4	0
9	1191	11	2247	0	44	5	0	0	54	5	0
9	1234	11	2322	0	44	6	0	0	54	6	0
9	1277	11	2375	0	44	7	0	0	54	7	0
9	1320	11	2450	0	44	8	0	0	54	10	0
9	1363	11	2523	0	44	9	0	0	54	11	0
9	1406	11	2576	0	44	10	0	0	54	12	0
9	1449	11	2651	0	44	11	0	0	54	13	0
9	1492	11	2724	0	44	12	0	0	54	14	0
9	1535	11	2777	0	44	13	0	0	54	15	0
9	1578	11	3052	0	44	14	0	0	54	16	0
9	1621	11	3125	0	44	15	0	0	54	17	0
9	1664	11	3200	0	44	16	0	0	54	20	0
9	1707	11	3253	0	44	17	0	0	54	21	0
9	1750	11	3326	0	44	18	0	0	54	22	0
9	1793	11	3401	0	44	19	0	0	54	23	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
9	1836	11	3454	0	45	0	0	0	55	0	0
9	1879	11	3527	0	45	1	0	0	55	1	0
9	1922	11	3602	0	45	2	0	0	55	2	0
9	1965	11	3655	0	45	3	0	0	55	3	0
9	2008	11	3730	0	45	4	0	0	55	4	0
9	2051	11	4003	0	45	5	0	0	55	5	0
9	2094	11	4056	0	45	6	0	0	55	6	0
9	2137	11	4131	0	45	7	0	0	55	7	0
9	2180	11	4204	0	45	8	0	0	55	10	0
9	2223	11	4257	0	45	9	0	0	55	11	0
9	2266	11	4332	0	45	10	0	0	55	12	0
9	2309	11	4405	0	45	11	0	0	55	13	0
9	2352	11	4460	0	45	12	0	0	55	14	0
9	2395	11	4533	0	45	13	0	0	55	15	0
9	2438	11	4606	0	45	14	0	0	55	16	0
9	2481	11	4661	0	45	15	0	0	55	17	0
9	2524	11	4734	0	45	16	0	0	55	20	0
9	2567	11	5007	0	45	17	0	0	55	21	0
9	2610	11	5062	0	45	18	0	0	55	22	0
9	2653	11	5135	0	45	19	0	0	55	23	0
9	2696	11	5210	0	46	0	0	0	56	0	0
9	2739	11	5263	0	46	1	0	0	56	1	0
9	2782	11	5336	0	46	2	0	0	56	2	0
9	2825	11	5411	0	46	3	0	0	56	3	0
9	2868	11	5464	0	46	4	0	0	56	4	0
9	2911	11	5537	0	46	5	0	0	56	5	0
9	2954	11	5612	0	46	6	0	0	56	6	0
9	2997	11	5665	0	46	7	0	0	56	7	0
9	3040	11	5740	0	46	8	0	0	56	10	0
9	3083	11	6013	0	46	9	0	0	56	11	0
9	3126	11	6066	0	46	10	0	0	56	12	0
9	3169	11	6141	0	46	11	0	0	56	13	0
9	3212	11	6214	0	46	12	0	0	56	14	0
9	3255	11	6267	0	46	13	0	0	56	15	0
9	3298	11	6342	0	46	14	0	0	56	16	0
9	3341	11	6415	0	46	15	0	0	56	17	0
9	3384	11	6470	0	46	16	0	0	56	20	0
9	3427	11	6543	0	46	17	0	0	56	21	0
9	3470	11	6616	0	46	18	0	0	56	22	0
9	3513	11	6671	0	46	19	0	0	56	23	0
9	3556	11	6744	0	47	0	0	0	57	0	0
9	3599	11	7017	0	47	1	0	0	57	1	0
9	3642	11	7072	0	47	2	0	0	57	2	0
9	3685	11	7145	0	47	3	0	0	57	3	0
9	3728	11	7220	0	47	4	0	0	57	4	0
9	3771	11	7273	0	47	5	0	0	57	5	0
9	3814	11	7346	0	47	6	0	0	57	6	0
9	3857	11	7421	0	47	7	0	0	57	7	0
9	3900	11	7474	0	47	8	0	0	57	10	0
9	3943	11	7547	0	47	9	0	0	57	11	0
9	3986	11	7622	0	47	10	0	0	57	12	0
9	4029	11	7675	0	47	11	0	0	57	13	0
9	4072	11	7750	0	47	12	0	0	57	14	0
10	19	12	23	0	47	13	0	0	57	15	0
10	62	12	76	0	47	14	0	0	57	16	0
10	105	12	151	0	47	15	0	0	57	17	0
10	148	12	224	0	47	16	0	0	57	20	0
10	191	12	277	0	47	17	0	0	57	21	0
10	234	12	352	0	47	18	0	0	57	22	0
10	277	12	425	0	47	19	0	0	57	23	0
10	320	12	500	0	48	0	0	0	60	0	0
10	363	12	553	0	48	1	0	0	60	1	0
10	406	12	626	0	48	2	0	0	60	2	0
10	449	12	701	0	48	3	0	0	60	3	0
10	492	12	754	0	48	4	0	0	60	4	0
10	535	12	1027	0	48	5	0	0	60	5	0
10	578	12	1102	0	48	6	0	0	60	6	0
10	621	12	1155	0	48	7	0	0	60	7	0
10	664	12	1230	0	48	8	0	0	60	10	0
10	707	12	1303	0	48	9	0	0	60	11	0
10	750	12	1356	0	48	10	0	0	60	12	0
10	793	12	1431	0	48	11	0	0	60	13	0
10	836	12	1504	0	48	12	0	0	60	14	0
10	879	12	1557	0	48	13	0	0	60	15	0
10	922	12	1632	0	48	14	0	0	60	16	0
10	965	12	1705	0	48	15	0	0	60	17	0
10	1008	12	1760	0	48	16	0	0	60	20	0
10	1051	12	2033	0	48	17	0	0	60	21	0
10	1094	12	2106	0	48	18	0	0	60	22	0
10	1137	12	2161	0	48	19	0	0	60	23	0
10	1180	12	2234	0	49	0	0	0	61	0	0
10	1223	12	2307	0	49	1	0	0	61	1	0
10	1266	12	2362	0	49	2	0	0	61	2	0
10	1309	12	2435	0	49	3	0	0	61	3	0
10	1352	12	2510	0	49	4	0	0	61	4	0
10	1395	12	2563	0	49	5	0	0	61	5	0
10	1438	12	2636	0	49	6	0	0	61	6	0
10	1481	12	2711	0	49	7	0	0	61	7	0
10	1524	12	2764	0	49	8	0	0	61	10	0
10	1567	12	3037	0	49	9	0	0	61	11	0

TABLE 3-5 (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
Pos	Track/Sec	Pos	Track/Sec	Unit	CYL	Head	Sec	Unit	CYL	Head	Sec
B	C	D	E	F	G	H	I	J	K	L	M
10	1610	12	3112	0	49	10	0	0	61	12	0
10	1653	12	3165	0	49	11	0	0	61	13	0
10	1698	12	3240	0	49	12	0	0	61	14	0
10	1739	12	3313	0	49	13	0	0	61	15	0
10	1782	12	3366	0	49	14	0	0	61	16	0
10	1825	12	3441	0	49	15	0	0	61	17	0
10	1868	12	3514	0	49	16	0	0	61	20	0
10	1911	12	3567	0	49	17	0	0	61	21	0
10	1954	12	3642	0	49	18	0	0	61	22	0
10	1997	12	3715	0	49	19	0	0	61	23	0
10	2040	12	3770	0	50	0	0	0	62	0	0
10	2083	12	4043	0	50	1	0	0	62	1	0
10	2126	12	4116	0	50	2	0	0	62	2	0
10	2169	12	4171	0	50	3	0	0	62	3	0
10	2212	12	4244	0	50	4	0	0	62	4	0
10	2255	12	4317	0	50	5	0	0	62	5	0
10	2298	12	4372	0	50	6	0	0	62	6	0
10	2341	12	4445	0	50	7	0	0	62	7	0
10	2384	12	4520	0	50	8	0	0	62	10	0
10	2427	12	4573	0	50	9	0	0	62	11	0
10	2470	12	4646	0	50	10	0	0	62	12	0
10	2513	12	4721	0	50	11	0	0	62	13	0
10	2558	12	4774	0	50	12	0	0	62	14	0
10	2599	12	5047	0	50	13	0	0	62	15	0
10	2642	12	5122	0	50	14	0	0	62	16	0
10	2885	12	5175	0	50	15	0	0	62	17	0
10	2728	12	5250	0	50	16	0	0	62	20	0
10	2771	12	5323	0	50	17	0	0	62	21	0
10	2814	12	5376	0	50	18	0	0	62	22	0
10	2857	12	5451	0	50	19	0	0	62	23	0
10	2900	12	5524	0	51	0	0	0	63	0	0
10	2943	12	5577	0	51	1	0	0	63	1	0
10	2986	12	5652	0	51	2	0	0	63	2	0
10	3029	12	5725	0	51	3	0	0	63	3	0
10	3072	12	6000	0	51	4	0	0	63	4	0
10	3115	12	6053	0	51	5	0	0	63	5	0
10	3158	12	6126	0	51	6	0	0	63	6	0
10	3201	12	6201	0	51	7	0	0	63	7	0
10	3244	12	6254	0	51	8	0	0	63	10	0
10	3287	12	6327	0	51	9	0	0	63	11	0
10	3330	12	6402	0	51	10	0	0	63	12	0
10	3373	12	6455	0	51	11	0	0	63	13	0
10	3416	12	6530	0	51	12	0	0	63	14	0
10	3459	12	6603	0	51	13	0	0	63	15	0
10	3502	12	6656	0	51	14	0	0	63	16	0
10	3545	12	6731	0	51	15	0	0	63	17	0
10	3588	12	7064	0	51	16	0	0	63	20	0
10	3631	12	7057	0	51	17	0	0	63	21	0
10	3674	12	7132	0	51	18	0	0	63	22	0
10	3717	12	7205	0	51	19	0	0	63	23	0
10	3760	12	7260	0	52	0	0	0	64	0	0
10	3803	12	7333	0	52	1	0	0	64	1	0
10	3846	12	7406	0	52	2	0	0	64	2	0
10	3889	12	7461	0	52	3	0	0	64	3	0
10	3932	12	7534	0	52	4	0	0	64	4	0
10	3975	12	7607	0	52	5	0	0	64	5	0
10	4018	12	7662	0	52	6	0	0	64	6	0
10	4061	12	7735	0	52	7	0	0	64	7	0
11	8	13	10	0	52	8	0	0	64	10	0
11	51	13	63	0	52	9	0	0	64	11	0
11	94	13	136	0	52	10	0	0	64	12	0
11	137	13	211	0	52	11	0	0	64	13	0
11	180	13	264	0	52	12	0	0	64	14	0
11	223	13	337	0	52	13	0	0	64	15	0
11	266	13	412	0	52	14	0	0	64	16	0
11	309	13	465	0	52	15	0	0	64	17	0
11	352	13	540	0	52	16	0	0	64	20	0
11	395	13	613	0	52	17	0	0	64	21	0
11	438	13	666	0	52	18	0	0	64	22	0
11	481	13	741	0	52	19	0	0	64	23	0
11	524	13	1014	0	53	0	0	0	65	0	0
11	567	13	1067	0	53	1	0	0	65	1	0
11	610	13	1142	0	53	2	0	0	65	2	0
11	653	13	1215	0	53	3	0	0	65	3	0
11	696	13	1270	0	53	4	0	0	65	4	0
11	739	13	1343	0	53	5	0	0	65	5	0
11	782	13	1416	0	53	6	0	0	65	6	0
11	825	13	1471	0	53	7	0	0	65	7	0
11	868	13	1544	0	53	8	0	0	65	10	0
11	911	13	1617	0	53	9	0	0	65	11	0
11	954	13	1672	0	53	10	0	0	65	12	0
11	997	13	1745	0	53	11	0	0	65	13	0
11	1040	13	2020	0	53	12	0	0	65	14	0
11	1083	13	2073	0	53	13	0	0	65	15	0
11	1126	13	2146	0	53	14	0	0	65	16	0
11	1169	13	2221	0	53	15	0	0	65	17	0
11	1212	13	2274	0	53	16	0	0	65	20	0
11	1255	13	2347	0	53	17	0	0	65	21	0
11	1298	13	2422	0	53	18	0	0	65	22	0
11	1341	13	2475	0	53	19	0	0	65	23	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
11	1384	13	2550	0	54	0	0	0	66	0	0
11	1427	13	2623	0	54	1	0	0	66	1	0
11	1470	13	2676	0	54	2	0	0	66	2	0
11	1513	13	2751	0	54	3	0	0	66	3	0
11	1556	13	3024	0	54	4	0	0	66	4	0
11	1599	13	3077	0	54	5	0	0	66	5	0
11	1642	13	3152	0	54	6	0	0	66	6	0
11	1685	13	3225	0	54	7	0	0	66	7	0
11	1728	13	3300	0	54	8	0	0	66	10	0
11	1771	13	3353	0	54	9	0	0	66	11	0
11	1814	13	3426	0	54	10	0	0	66	12	0
11	1857	13	3501	0	54	11	0	0	66	13	0
11	1900	13	3554	0	54	12	0	0	66	14	0
11	1943	13	3627	0	54	13	0	0	66	15	0
11	1986	13	3702	0	54	14	0	0	66	16	0
11	2029	13	3755	0	54	15	0	0	66	17	0
11	2072	13	4030	0	54	16	0	0	66	20	0
11	2115	13	4103	0	54	17	0	0	66	21	0
11	2158	13	4156	0	54	18	0	0	66	22	0
11	2201	13	4231	0	54	19	0	0	66	23	0
11	2244	13	4304	0	55	0	0	0	67	0	0
11	2287	13	4357	0	55	1	0	0	67	1	0
11	2330	13	4432	0	55	2	0	0	67	2	0
11	2373	13	4505	0	55	3	0	0	67	3	0
11	2416	13	4560	0	55	4	0	0	67	4	0
11	2459	13	4633	0	55	5	0	0	67	5	0
11	2502	13	4706	0	55	6	0	0	67	6	0
11	2545	13	4761	0	55	7	0	0	67	7	0
11	2588	13	5034	0	55	8	0	0	67	10	0
11	2631	13	5107	0	55	9	0	0	67	11	0
11	2674	13	5162	0	55	10	0	0	67	12	0
11	2717	13	5235	0	55	11	0	0	67	13	0
11	2760	13	5310	0	55	12	0	0	67	14	0
11	2803	13	5363	0	55	13	0	0	67	15	0
11	2846	13	5436	0	55	14	0	0	67	16	0
11	2889	13	5511	0	55	15	0	0	67	17	0
11	2932	13	5564	0	55	16	0	0	67	20	0
11	2975	13	5637	0	55	17	0	0	67	21	0
11	3018	13	5712	0	55	18	0	0	67	22	0
11	3061	13	5765	0	55	19	0	0	67	23	0
11	3104	13	6040	0	56	0	0	0	70	0	0
11	3147	13	6113	0	56	1	0	0	70	1	0
11	3190	13	6166	0	56	2	0	0	70	2	0
11	3233	13	6241	0	56	3	0	0	70	3	0
11	3276	13	6314	0	56	4	0	0	70	4	0
11	3319	13	6367	0	56	5	0	0	70	5	0
11	3362	13	6442	0	56	6	0	0	70	6	0
11	3405	13	6515	0	56	7	0	0	70	7	0
11	3448	13	6570	0	56	8	0	0	70	10	0
11	3491	13	6643	0	56	9	0	0	70	11	0
11	3534	13	6716	0	56	10	0	0	70	12	0
11	3577	13	6771	0	56	11	0	0	70	13	0
11	3620	13	7044	0	56	12	0	0	70	14	0
11	3663	13	7117	0	56	13	0	0	70	15	0
11	3706	13	7172	0	56	14	0	0	70	16	0
11	3749	13	7245	0	56	15	0	0	70	17	0
11	3792	13	7320	0	56	16	0	0	70	20	0
11	3835	13	7373	0	56	17	0	0	70	21	0
11	3878	13	7446	0	56	18	0	0	70	22	0
11	3921	13	7521	0	56	19	0	0	70	23	0
11	3964	13	7574	0	57	0	0	0	71	0	0
11	4007	13	7647	0	57	1	0	0	71	1	0
11	4050	13	7722	0	57	2	0	0	71	2	0
11	4093	13	7775	0	57	3	0	0	71	3	0
12	40	14	50	0	57	4	0	0	71	4	0
12	83	14	123	0	57	5	0	0	71	5	0
12	126	14	176	0	57	6	0	0	71	6	0
12	169	14	251	0	57	7	0	0	71	7	0
12	212	14	324	0	57	8	0	0	71	10	0
12	255	14	377	0	57	9	0	0	71	11	0
12	298	14	452	0	57	10	0	0	71	12	0
12	341	14	525	0	57	11	0	0	71	13	0
12	384	14	600	0	57	12	0	0	71	14	0
12	427	14	653	0	57	13	0	0	71	15	0
12	470	14	726	0	57	14	0	0	71	16	0
12	513	14	1001	0	57	15	0	0	71	17	0
12	556	14	1054	0	57	16	0	0	71	20	0
12	599	14	1127	0	57	17	0	0	71	21	0
12	642	14	1202	0	57	18	0	0	71	22	0
12	685	14	1255	0	57	19	0	0	71	23	0
12	728	14	1330	0	58	0	0	0	72	0	0
12	771	14	1403	0	58	1	0	0	72	1	0
12	814	14	1456	0	58	2	0	0	72	2	0
12	857	14	1531	0	58	3	0	0	72	3	0
12	900	14	1604	0	58	4	0	0	72	4	0
12	943	14	1657	0	58	5	0	0	72	5	0
12	986	14	1732	0	58	6	0	0	72	6	0
12	1029	14	2005	0	58	7	0	0	72	7	0
12	1072	14	2060	0	58	8	0	0	72	10	0
12	1115	14	2133	0	58	9	0	0	72	11	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
12	1158	14	2206	0	58	10	0	0	72	12	0
12	1201	14	2261	0	58	11	0	0	72	13	0
12	1244	14	2334	0	58	12	0	0	72	14	0
12	1287	14	2407	0	58	13	0	0	72	15	0
12	1330	14	2462	0	58	14	0	0	72	16	0
12	1373	14	2535	0	58	15	0	0	72	17	0
12	1416	14	2610	0	58	16	0	0	72	20	0
12	1459	14	2663	0	58	17	0	0	72	21	0
12	1502	14	2736	0	58	18	0	0	72	22	0
12	1545	14	3011	0	58	19	0	0	72	23	0
12	1588	14	3064	0	59	0	0	0	73	0	0
12	1631	14	3137	0	59	1	0	0	73	1	0
12	1674	14	3212	0	59	2	0	0	73	2	0
12	1717	14	3265	0	59	3	0	0	73	3	0
12	1760	14	3340	0	59	4	0	0	73	4	0
12	1803	14	3413	0	59	5	0	0	73	5	0
12	1846	14	3466	0	59	6	0	0	73	6	0
12	1889	14	3541	0	59	7	0	0	73	7	0
12	1932	14	3614	0	59	8	0	0	73	10	0
12	1975	14	3667	0	59	9	0	0	73	11	0
12	2018	14	3742	0	59	10	0	0	73	12	0
12	2061	14	4015	0	59	11	0	0	73	13	0
12	2104	14	4070	0	59	12	0	0	73	14	0
12	2147	14	4143	0	59	13	0	0	73	15	0
12	2190	14	4216	0	59	14	0	0	73	16	0
12	2233	14	4271	0	59	15	0	0	73	17	0
12	2276	14	4344	0	59	16	0	0	73	20	0
12	2319	14	4417	0	59	17	0	0	73	21	0
12	2362	14	4472	0	59	18	0	0	73	22	0
12	2405	14	4545	0	59	19	0	0	73	23	0
12	2448	14	4620	0	60	0	0	0	74	0	0
12	2491	14	4673	0	60	1	0	0	74	1	0
12	2534	14	4746	0	60	2	0	0	74	2	0
12	2577	14	5021	0	60	3	0	0	74	3	0
12	2620	14	5074	0	60	4	0	0	74	4	0
12	2663	14	5147	0	60	5	0	0	74	5	0
12	2706	14	5222	0	60	6	0	0	74	6	0
12	2749	14	5275	0	60	7	0	0	74	7	0
12	2792	14	5350	0	60	8	0	0	74	10	0
12	2835	14	5423	0	60	9	0	0	74	11	0
12	2878	14	5476	0	60	10	0	0	74	12	0
12	2921	14	5551	0	60	11	0	0	74	13	0
12	2964	14	5624	0	60	12	0	0	74	14	0
12	3007	14	5677	0	60	13	0	0	74	15	0
12	3050	14	5752	0	60	14	0	0	74	16	0
12	3093	14	6025	0	60	15	0	0	74	17	0
12	3136	14	6100	0	60	16	0	0	74	20	0
12	3179	14	6153	0	60	17	0	0	74	21	0
12	3222	14	6226	0	60	18	0	0	74	22	0
12	3265	14	6301	0	60	19	0	0	74	23	0
12	3308	14	6354	0	61	0	0	0	75	0	0
12	3351	14	6427	0	61	1	0	0	75	1	0
12	3394	14	6502	0	61	2	0	0	75	2	0
12	3437	14	6555	0	61	3	0	0	75	3	0
12	3480	14	6630	0	61	4	0	0	75	4	0
12	3523	14	6703	0	61	5	0	0	75	5	0
12	3566	14	6756	0	61	6	0	0	75	6	0
12	3609	14	7031	0	61	7	0	0	75	7	0
12	3652	14	7104	0	61	8	0	0	75	10	0
12	3695	14	7157	0	61	9	0	0	75	11	0
12	3738	14	7232	0	61	10	0	0	75	12	0
12	3781	14	7305	0	61	11	0	0	75	13	0
12	3824	14	7360	0	61	12	0	0	75	14	0
12	3867	14	7433	0	61	13	0	0	75	15	0
12	3910	14	7506	0	61	14	0	0	75	16	0
12	3953	14	7561	0	61	15	0	0	75	17	0
12	3996	14	7634	0	61	16	0	0	75	20	0
12	4039	14	7707	0	61	17	0	0	75	21	0
12	4082	14	7762	0	61	18	0	0	75	22	0
13	29	15	35	0	61	19	0	0	75	23	0
13	72	15	110	0	62	0	0	0	76	0	0
13	115	15	163	0	62	1	0	0	76	1	0
13	158	15	236	0	62	2	0	0	76	2	0
13	201	15	311	0	62	3	0	0	76	3	0
13	244	15	364	0	62	4	0	0	76	4	0
13	287	15	437	0	62	5	0	0	76	5	0
13	330	15	512	0	62	6	0	0	76	6	0
13	373	15	565	0	62	7	0	0	76	7	0
13	416	15	640	0	62	8	0	0	76	10	0
13	459	15	713	0	62	9	0	0	76	11	0
13	502	15	766	0	62	10	0	0	76	12	0
13	545	15	1041	0	62	11	0	0	76	13	0
13	588	15	1114	0	62	12	0	0	76	14	0
13	631	15	1167	0	62	13	0	0	76	15	0
13	674	15	1242	0	62	14	0	0	76	16	0
13	717	15	1315	0	62	15	0	0	76	17	0
13	760	15	1370	0	62	16	0	0	76	20	0
13	803	15	1443	0	62	17	0	0	76	21	0
13	846	15	1516	0	62	18	0	0	76	22	0
13	889	15	1571	0	62	19	0	0	76	23	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS B	TRACK/SEC C	POS D	TRACK/SEC E	UNIT F	CYL G	HEAD H	SEC I	UNIT J	CYL K	HEAD L	SEC M
13	932	15	1644	0	63	0	0	0	77	0	0
13	975	15	1717	0	63	1	0	0	77	1	0
13	1018	15	1772	0	63	2	0	0	77	2	0
13	1061	15	2045	0	63	3	0	0	77	3	0
13	1104	15	2120	0	63	4	0	0	77	4	0
13	1147	15	2173	0	63	5	0	0	77	5	0
13	1190	15	2246	0	63	6	0	0	77	6	0
13	1233	15	2321	0	63	7	0	0	77	7	0
13	1276	15	2374	0	63	8	0	0	77	10	0
13	1319	15	2447	0	63	9	0	0	77	11	0
13	1362	15	2522	0	63	10	0	0	77	12	0
13	1405	15	2575	0	63	11	0	0	77	13	0
13	1448	15	2650	0	63	12	0	0	77	14	0
13	1491	15	2723	0	63	13	0	0	77	15	0
13	1534	15	2776	0	63	14	0	0	77	16	0
13	1577	15	3051	0	63	15	0	0	77	17	0
13	1620	15	3124	0	63	16	0	0	77	20	0
13	1663	15	3177	0	63	17	0	0	77	21	0
13	1706	15	3252	0	63	18	0	0	77	22	0
13	1749	15	3325	0	63	19	0	0	77	23	0
13	1792	15	3400	0	64	0	0	0	100	0	0
13	1835	15	3453	0	64	1	0	0	100	1	0
13	1878	15	3526	0	64	2	0	0	100	2	0
13	1921	15	3601	0	64	3	0	0	100	3	0
13	1964	15	3654	0	64	4	0	0	100	4	0
13	2007	15	3727	0	64	5	0	0	100	5	0
13	2050	15	4002	0	64	6	0	0	100	6	0
13	2093	15	4055	0	64	7	0	0	100	7	0
13	2136	15	4130	0	64	8	0	0	100	10	0
13	2179	15	4203	0	64	9	0	0	100	11	0
13	2222	15	4256	0	64	10	0	0	100	12	0
13	2265	15	4331	0	64	11	0	0	100	13	0
13	2308	15	4404	0	64	12	0	0	100	14	0
13	2351	15	4457	0	64	13	0	0	100	15	0
13	2394	15	4532	0	64	14	0	0	100	16	0
13	2437	15	4605	0	64	15	0	0	100	17	0
13	2480	15	4660	0	64	16	0	0	100	20	0
13	2523	15	4733	0	64	17	0	0	100	21	0
13	2566	15	5006	0	64	18	0	0	100	22	0
13	2609	15	5061	0	64	19	0	0	100	23	0
13	2652	15	5134	0	65	0	0	0	101	0	0
13	2695	15	5207	0	65	1	0	0	101	1	0
13	2738	15	5262	0	65	2	0	0	101	2	0
13	2781	15	5335	0	65	3	0	0	101	3	0
13	2824	15	5410	0	65	4	0	0	101	4	0
13	2867	15	5463	0	65	5	0	0	101	5	0
13	2910	15	5536	0	65	6	0	0	101	6	0
13	2953	15	5611	0	65	7	0	0	101	7	0
13	2996	15	5664	0	65	8	0	0	101	10	0
13	3039	15	5737	0	65	9	0	0	101	11	0
13	3082	15	6012	0	65	10	0	0	101	12	0
13	3125	15	6065	0	65	11	0	0	101	13	0
13	3168	15	6140	0	65	12	0	0	101	14	0
13	3211	15	6213	0	65	13	0	0	101	15	0
13	3254	15	6266	0	65	14	0	0	101	16	0
13	3297	15	6341	0	65	15	0	0	101	17	0
13	3340	15	6414	0	65	16	0	0	101	20	0
13	3383	15	6467	0	65	17	0	0	101	21	0
13	3426	15	6542	0	65	18	0	0	101	22	0
13	3469	15	6615	0	65	19	0	0	101	23	0
13	3512	15	6670	0	66	0	0	0	102	0	0
13	3555	15	6743	0	66	1	0	0	102	1	0
13	3598	15	7016	0	66	2	0	0	102	2	0
13	3641	15	7071	0	66	3	0	0	102	3	0
13	3684	15	7144	0	66	4	0	0	102	4	0
13	3727	15	7217	0	66	5	0	0	102	5	0
13	3770	15	7272	0	66	6	0	0	102	6	0
13	3813	15	7345	0	66	7	0	0	102	7	0
13	3856	15	7420	0	66	8	0	0	102	10	0
13	3899	15	7473	0	66	9	0	0	102	11	0
13	3942	15	7546	0	66	10	0	0	102	12	0
13	3985	15	7621	0	66	11	0	0	102	13	0
13	4028	15	7674	0	66	12	0	0	102	14	0
13	4071	15	7747	0	66	13	0	0	102	15	0
14	18	16	22	0	66	14	0	0	102	16	0
14	61	16	75	0	66	15	0	0	102	17	0
14	104	16	150	0	66	16	0	0	102	20	0
14	147	16	223	0	66	17	0	0	102	21	0
14	190	16	276	0	66	18	0	0	102	22	0
14	233	16	351	0	66	19	0	0	102	23	0
14	276	16	424	0	67	0	0	0	103	0	0
14	319	16	477	0	67	1	0	0	103	1	0
14	362	16	552	0	67	2	0	0	103	2	0
14	405	16	625	0	67	3	0	0	103	3	0
14	448	16	700	0	67	4	0	0	103	4	0
14	491	16	753	0	67	5	0	0	103	5	0
14	534	16	1026	0	67	6	0	0	103	6	0
14	577	16	1101	0	67	7	0	0	103	7	0
14	620	16	1154	0	67	8	0	0	103	10	0
14	663	16	1227	0	67	9	0	0	103	11	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
14	706	16	1302	0	67	10	0	0	103	12	0
14	749	16	1355	0	67	11	0	0	103	13	0
14	792	16	1430	0	67	12	0	0	103	14	0
14	835	16	1503	0	67	13	0	0	103	15	0
14	878	16	1556	0	67	14	0	0	103	16	0
14	921	16	1631	0	67	15	0	0	103	17	0
14	964	16	1704	0	67	16	0	0	103	20	0
14	1007	16	1757	0	67	17	0	0	103	21	0
14	1050	16	2032	0	67	18	0	0	103	22	0
14	1093	16	2105	0	67	19	0	0	103	23	0
14	1136	16	2160	0	68	0	0	0	104	0	0
14	1179	16	2233	0	68	1	0	0	104	1	0
14	1222	16	2306	0	68	2	0	0	104	2	0
14	1265	16	2361	0	68	3	0	0	104	3	0
14	1308	16	2434	0	68	4	0	0	104	4	0
14	1351	16	2507	0	68	5	0	0	104	5	0
14	1394	16	2562	0	68	6	0	0	104	6	0
14	1437	16	2635	0	68	7	0	0	104	7	0
14	1480	16	2710	0	68	8	0	0	104	10	0
14	1523	16	2763	0	68	9	0	0	104	11	0
14	1566	16	3036	0	68	10	0	0	104	12	0
14	1609	16	3111	0	68	11	0	0	104	13	0
14	1652	16	3164	0	68	12	0	0	104	14	0
14	1695	16	3237	0	68	13	0	0	104	15	0
14	1738	16	3312	0	68	14	0	0	104	16	0
14	1781	16	3365	0	68	15	0	0	104	17	0
14	1824	16	3440	0	68	16	0	0	104	20	0
14	1867	16	3513	0	68	17	0	0	104	21	0
14	1910	16	3566	0	68	18	0	0	104	22	0
14	1953	16	3641	0	68	19	0	0	104	23	0
14	1996	16	3714	0	69	0	0	0	105	0	0
14	2039	16	3767	0	69	1	0	0	105	1	0
14	2082	16	4042	0	69	2	0	0	105	2	0
14	2125	16	4115	0	69	3	0	0	105	3	0
14	2168	16	4170	0	69	4	0	0	105	4	0
14	2211	16	4243	0	69	5	0	0	105	5	0
14	2254	16	4316	0	69	6	0	0	105	6	0
14	2297	16	4371	0	69	7	0	0	105	7	0
14	2340	16	4444	0	69	8	0	0	105	10	0
14	2383	16	4517	0	69	9	0	0	105	11	0
14	2426	16	4572	0	69	10	0	0	105	12	0
14	2469	16	4645	0	69	11	0	0	105	13	0
14	2512	16	4720	0	69	12	0	0	105	14	0
14	2555	16	4773	0	69	13	0	0	105	15	0
14	2598	16	5046	0	69	14	0	0	105	16	0
14	2641	16	5121	0	69	15	0	0	105	17	0
14	2684	16	5174	0	69	16	0	0	105	20	0
14	2727	16	5247	0	69	17	0	0	105	21	0
14	2770	16	5322	0	69	18	0	0	105	22	0
14	2813	16	5375	0	69	19	0	0	105	23	0
14	2856	16	5450	0	70	0	0	0	106	0	0
14	2899	16	5523	0	70	1	0	0	106	1	0
14	2942	16	5576	0	70	2	0	0	106	2	0
14	2985	16	5651	0	70	3	0	0	106	3	0
14	3028	16	5724	0	70	4	0	0	106	4	0
14	3071	16	5777	0	70	5	0	0	106	5	0
14	3114	16	6052	0	70	6	0	0	106	6	0
14	3157	16	6125	0	70	7	0	0	106	7	0
14	3200	16	6200	0	70	8	0	0	106	10	0
14	3243	16	6253	0	70	9	0	0	106	11	0
14	3286	16	6326	0	70	10	0	0	106	12	0
14	3329	16	6401	0	70	11	0	0	106	13	0
14	3372	16	6454	0	70	12	0	0	106	14	0
14	3415	16	6527	0	70	13	0	0	106	15	0
14	3458	16	6602	0	70	14	0	0	106	16	0
14	3501	16	6655	0	70	15	0	0	106	17	0
14	3544	16	6730	0	70	16	0	0	106	20	0
14	3587	16	7003	0	70	17	0	0	106	21	0
14	3630	16	7056	0	70	18	0	0	106	22	0
14	3673	16	7131	0	70	19	0	0	106	23	0
14	3716	16	7204	0	71	0	0	0	107	0	0
14	3759	16	7257	0	71	1	0	0	107	1	0
14	3802	16	7332	0	71	2	0	0	107	2	0
14	3845	16	7405	0	71	3	0	0	107	3	0
14	3888	16	7460	0	71	4	0	0	107	4	0
14	3931	16	7533	0	71	5	0	0	107	5	0
14	3974	16	7606	0	71	6	0	0	107	6	0
14	4017	16	7661	0	71	7	0	0	107	7	0
14	4060	16	7734	0	71	8	0	0	107	10	0
15	7	17	7	0	71	9	0	0	107	11	0
15	50	17	62	0	71	10	0	0	107	12	0
15	93	17	135	0	71	11	0	0	107	13	0
15	136	17	210	0	71	12	0	0	107	14	0
15	179	17	263	0	71	13	0	0	107	15	0
15	222	17	336	0	71	14	0	0	107	16	0
15	265	17	411	0	71	15	0	0	107	17	0
15	308	17	464	0	71	16	0	0	107	20	0
15	351	17	537	0	71	17	0	0	107	21	0
15	394	17	612	0	71	18	0	0	107	22	0
15	437	17	665	0	71	19	0	0	107	23	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
A	C	D	E	F	G	H	I	J	K	L	M
15	480	17	740	0	72	0	0	0	110	0	0
15	523	17	1013	0	72	1	0	0	110	1	0
15	566	17	1066	0	72	2	0	0	110	2	0
15	609	17	1141	0	72	3	0	0	110	3	0
15	652	17	1214	0	72	4	0	0	110	4	0
15	695	17	1267	0	72	5	0	0	110	5	0
15	738	17	1342	0	72	6	0	0	110	6	0
15	781	17	1415	0	72	7	0	0	110	7	0
15	824	17	1470	0	72	8	0	0	110	10	0
15	867	17	1543	0	72	9	0	0	110	11	0
15	910	17	1616	0	72	10	0	0	110	12	0
15	953	17	1671	0	72	11	0	0	110	13	0
15	996	17	1744	0	72	12	0	0	110	14	0
15	1039	17	2017	0	72	13	0	0	110	15	0
15	1082	17	2072	0	72	14	0	0	110	16	0
15	1125	17	2145	0	72	15	0	0	110	17	0
15	1168	17	2220	0	72	16	0	0	110	20	0
15	1211	17	2273	0	72	17	0	0	110	21	0
15	1254	17	2346	0	72	18	0	0	110	22	0
15	1297	17	2421	0	72	19	0	0	110	23	0
15	1340	17	2474	0	73	0	0	0	111	0	0
15	1383	17	2547	0	73	1	0	0	111	1	0
15	1426	17	2622	0	73	2	0	0	111	2	0
15	1469	17	2675	0	73	3	0	0	111	3	0
15	1512	17	2750	0	73	4	0	0	111	4	0
15	1555	17	3023	0	73	5	0	0	111	5	0
15	1598	17	3076	0	73	6	0	0	111	6	0
15	1641	17	3151	0	73	7	0	0	111	7	0
15	1684	17	3224	0	73	8	0	0	111	10	0
15	1727	17	3277	0	73	9	0	0	111	11	0
15	1770	17	3352	0	73	10	0	0	111	12	0
15	1813	17	3425	0	73	11	0	0	111	13	0
15	1856	17	3500	0	73	12	0	0	111	14	0
15	1899	17	3553	0	73	13	0	0	111	15	0
15	1942	17	3626	0	73	14	0	0	111	16	0
15	1985	17	3701	0	73	15	0	0	111	17	0
15	2028	17	3754	0	73	16	0	0	111	20	0
15	2071	17	4027	0	73	17	0	0	111	21	0
15	2114	17	4102	0	73	18	0	0	111	22	0
15	2157	17	4155	0	73	19	0	0	111	23	0
15	2200	17	4230	0	74	0	0	0	112	0	0
15	2243	17	4303	0	74	1	0	0	112	1	0
15	2286	17	4356	0	74	2	0	0	112	2	0
15	2329	17	4431	0	74	3	0	0	112	3	0
15	2372	17	4504	0	74	4	0	0	112	4	0
15	2415	17	4557	0	74	5	0	0	112	5	0
15	2458	17	4632	0	74	6	0	0	112	6	0
15	2501	17	4705	0	74	7	0	0	112	7	0
15	2544	17	4760	0	74	8	0	0	112	10	0
15	2587	17	5033	0	74	9	0	0	112	11	0
15	2630	17	5106	0	74	10	0	0	112	12	0
15	2673	17	5161	0	74	11	0	0	112	13	0
15	2716	17	5234	0	74	12	0	0	112	14	0
15	2759	17	5307	0	74	13	0	0	112	15	0
15	2802	17	5362	0	74	14	0	0	112	16	0
15	2845	17	5435	0	74	15	0	0	112	17	0
15	2888	17	5510	0	74	16	0	0	112	20	0
15	2931	17	5563	0	74	17	0	0	112	21	0
15	2974	17	5636	0	74	18	0	0	112	22	0
15	3017	17	5711	0	74	19	0	0	112	23	0
15	3060	17	5764	0	75	0	0	0	113	0	0
15	3103	17	6037	0	75	1	0	0	113	1	0
15	3146	17	6112	0	75	2	0	0	113	2	0
15	3189	17	6165	0	75	3	0	0	113	3	0
15	3232	17	6240	0	75	4	0	0	113	4	0
15	3275	17	6313	0	75	5	0	0	113	5	0
15	3318	17	6366	0	75	6	0	0	113	6	0
15	3361	17	6441	0	75	7	0	0	113	7	0
15	3404	17	6514	0	75	8	0	0	113	10	0
15	3447	17	6567	0	75	9	0	0	113	11	0
15	3490	17	6642	0	75	10	0	0	113	12	0
15	3533	17	6715	0	75	11	0	0	113	13	0
15	3576	17	6770	0	75	12	0	0	113	14	0
15	3619	17	7043	0	75	13	0	0	113	15	0
15	3662	17	7116	0	75	14	0	0	113	16	0
15	3705	17	7171	0	75	15	0	0	113	17	0
15	3748	17	7244	0	75	16	0	0	113	20	0
15	3791	17	7317	0	75	17	0	0	113	21	0
15	3834	17	7372	0	75	18	0	0	113	22	0
15	3877	17	7445	0	75	19	0	0	113	23	0
15	3920	17	7520	0	76	0	0	0	114	0	0
15	3963	17	7573	0	76	1	0	0	114	1	0
15	4006	17	7646	0	76	2	0	0	114	2	0
15	4049	17	7721	0	76	3	0	0	114	3	0
15	4092	17	7774	0	76	4	0	0	114	4	0
16	39	20	47	0	76	5	0	0	114	5	0
16	82	20	122	0	76	6	0	0	114	6	0
16	125	20	175	0	76	7	0	0	114	7	0
16	168	20	250	0	76	8	0	0	114	10	0
16	211	20	323	0	76	9	0	0	114	11	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
16	254	20	376	0	76	10	0	0	114	12	0
16	297	20	451	0	76	11	0	0	114	13	0
16	340	20	524	0	76	12	0	0	114	14	0
16	383	20	577	0	76	13	0	0	114	15	0
16	426	20	652	0	76	14	0	0	114	16	0
16	469	20	725	0	76	15	0	0	114	17	0
16	512	20	1000	0	76	16	0	0	114	20	0
16	555	20	1053	0	76	17	0	0	114	21	0
16	598	20	1126	0	76	18	0	0	114	22	0
16	641	20	1201	0	76	19	0	0	114	23	0
16	684	20	1254	0	77	0	0	0	115	0	0
16	727	20	1327	0	77	1	0	0	115	1	0
16	770	20	1402	0	77	2	0	0	115	2	0
16	813	20	1455	0	77	3	0	0	115	3	0
16	856	20	1530	0	77	4	0	0	115	4	0
16	899	20	1603	0	77	5	0	0	115	5	0
16	942	20	1656	0	77	6	0	0	115	6	0
16	985	20	1731	0	77	7	0	0	115	7	0
16	1028	20	2004	0	77	8	0	0	115	10	0
16	1071	20	2057	0	77	9	0	0	115	11	0
16	1114	20	2132	0	77	10	0	0	115	12	0
16	1157	20	2205	0	77	11	0	0	115	13	0
16	1200	20	2260	0	77	12	0	0	115	14	0
16	1243	20	2333	0	77	13	0	0	115	15	0
16	1286	20	2406	0	77	14	0	0	115	16	0
16	1329	20	2461	0	77	15	0	0	115	17	0
16	1372	20	2534	0	77	16	0	0	115	20	0
16	1415	20	2607	0	77	17	0	0	115	21	0
16	1458	20	2662	0	77	18	0	0	115	22	0
16	1501	20	2735	0	77	19	0	0	115	23	0
16	1544	20	3010	0	78	0	0	0	116	0	0
16	1587	20	3063	0	78	1	0	0	116	1	0
16	1630	20	3136	0	78	2	0	0	116	2	0
16	1673	20	3211	0	78	3	0	0	116	3	0
16	1716	20	3264	0	78	4	0	0	116	4	0
16	1759	20	3337	0	78	5	0	0	116	5	0
16	1802	20	3412	0	78	6	0	0	116	6	0
16	1845	20	3465	0	78	7	0	0	116	7	0
16	1888	20	3540	0	78	8	0	0	116	10	0
16	1931	20	3613	0	78	9	0	0	116	11	0
16	1974	20	3666	0	78	10	0	0	116	12	0
16	2017	20	3741	0	78	11	0	0	116	13	0
16	2060	20	4014	0	78	12	0	0	116	14	0
16	2103	20	4067	0	78	13	0	0	116	15	0
16	2146	20	4142	0	78	14	0	0	116	16	0
16	2189	20	4215	0	78	15	0	0	116	17	0
16	2232	20	4270	0	78	16	0	0	116	20	0
16	2275	20	4343	0	78	17	0	0	116	21	0
16	2318	20	4416	0	78	18	0	0	116	22	0
16	2361	20	4471	0	78	19	0	0	116	23	0
16	2404	20	4544	0	79	0	0	0	117	0	0
16	2447	20	4617	0	79	1	0	0	117	1	0
16	2490	20	4672	0	79	2	0	0	117	2	0
16	2533	20	4745	0	79	3	0	0	117	3	0
16	2576	20	5020	0	79	4	0	0	117	4	0
16	2619	20	5073	0	79	5	0	0	117	5	0
16	2662	20	5146	0	79	6	0	0	117	6	0
16	2705	20	5221	0	79	7	0	0	117	7	0
16	2748	20	5274	0	79	8	0	0	117	10	0
16	2791	20	5347	0	79	9	0	0	117	11	0
16	2834	20	5422	0	79	10	0	0	117	12	0
16	2877	20	5475	0	79	11	0	0	117	13	0
16	2920	20	5550	0	79	12	0	0	117	14	0
16	2963	20	5623	0	79	13	0	0	117	15	0
16	3006	20	5676	0	79	14	0	0	117	16	0
16	3049	20	5751	0	79	15	0	0	117	17	0
16	3092	20	6024	0	79	16	0	0	117	20	0
16	3135	20	6077	0	79	17	0	0	117	21	0
16	3178	20	6152	0	79	18	0	0	117	22	0
16	3221	20	6225	0	79	19	0	0	117	23	0
16	3264	20	6300	0	80	0	0	0	120	0	0
16	3307	20	6353	0	80	1	0	0	120	1	0
16	3350	20	6426	0	80	2	0	0	120	2	0
16	3393	20	6501	0	80	3	0	0	120	3	0
16	3436	20	6554	0	80	4	0	0	120	4	0
16	3479	20	6627	0	80	5	0	0	120	5	0
16	3522	20	6702	0	80	6	0	0	120	6	0
16	3565	20	6755	0	80	7	0	0	120	7	0
16	3608	20	7030	0	80	8	0	0	120	10	0
16	3651	20	7103	0	80	9	0	0	120	11	0
16	3694	20	7156	0	80	10	0	0	120	12	0
16	3737	20	7231	0	80	11	0	0	120	13	0
16	3780	20	7304	0	80	12	0	0	120	14	0
16	3823	20	7357	0	80	13	0	0	120	15	0
16	3866	20	7432	0	80	14	0	0	120	16	0
16	3909	20	7505	0	80	15	0	0	120	17	0
16	3952	20	7560	0	80	16	0	0	120	20	0
16	3995	20	7633	0	80	17	0	0	120	21	0
16	4038	20	7706	0	80	18	0	0	120	22	0
16	4081	20	7761	0	80	19	0	0	120	23	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
17	28	21	34	0	81	0	0	0	121	0	0
17	71	21	107	0	81	1	0	0	121	1	0
17	114	21	162	0	81	2	0	0	121	2	0
17	157	21	235	0	81	3	0	0	121	3	0
17	200	21	310	0	81	4	0	0	121	4	0
17	243	21	363	0	81	5	0	0	121	5	0
17	286	21	436	0	81	6	0	0	121	6	0
17	329	21	511	0	81	7	0	0	121	7	0
17	372	21	564	0	81	8	0	0	121	10	0
17	415	21	637	0	81	9	0	0	121	11	0
17	458	21	712	0	81	10	0	0	121	12	0
17	501	21	765	0	81	11	0	0	121	13	0
17	544	21	1040	0	81	12	0	0	121	14	0
17	587	21	1113	0	81	13	0	0	121	15	0
17	630	21	1166	0	81	14	0	0	121	16	0
17	673	21	1241	0	81	15	0	0	121	17	0
17	716	21	1314	0	81	16	0	0	121	20	0
17	759	21	1367	0	81	17	0	0	121	21	0
17	802	21	1442	0	81	18	0	0	121	22	0
17	845	21	1515	0	81	19	0	0	121	23	0
17	888	21	1570	0	82	0	0	0	122	0	0
17	931	21	1643	0	82	1	0	0	122	1	0
17	974	21	1716	0	82	2	0	0	122	2	0
17	1017	21	1771	0	82	3	0	0	122	3	0
17	1060	21	2044	0	82	4	0	0	122	4	0
17	1103	21	2117	0	82	5	0	0	122	5	0
17	1146	21	2172	0	82	6	0	0	122	6	0
17	1189	21	2245	0	82	7	0	0	122	7	0
17	1232	21	2320	0	82	8	0	0	122	10	0
17	1275	21	2373	0	82	9	0	0	122	11	0
17	1318	21	2446	0	82	10	0	0	122	12	0
17	1361	21	2521	0	82	11	0	0	122	13	0
17	1404	21	2574	0	82	12	0	0	122	14	0
17	1447	21	2647	0	82	13	0	0	122	15	0
17	1490	21	2722	0	82	14	0	0	122	16	0
17	1533	21	2775	0	82	15	0	0	122	17	0
17	1576	21	3050	0	82	16	0	0	122	20	0
17	1619	21	3123	0	82	17	0	0	122	21	0
17	1662	21	3176	0	82	18	0	0	122	22	0
17	1705	21	3251	0	82	19	0	0	122	23	0
17	1748	21	3324	0	83	0	0	0	123	0	0
17	1791	21	3377	0	83	1	0	0	123	1	0
17	1834	21	3452	0	83	2	0	0	123	2	0
17	1877	21	3525	0	83	3	0	0	123	3	0
17	1920	21	3600	0	83	4	0	0	123	4	0
17	1963	21	3653	0	83	5	0	0	123	5	0
17	2006	21	3726	0	83	6	0	0	123	6	0
17	2049	21	4001	0	83	7	0	0	123	7	0
17	2092	21	4054	0	83	8	0	0	123	10	0
17	2135	21	4127	0	83	9	0	0	123	11	0
17	2178	21	4202	0	83	10	0	0	123	12	0
17	2221	21	4255	0	83	11	0	0	123	13	0
17	2264	21	4330	0	83	12	0	0	123	14	0
17	2307	21	4403	0	83	13	0	0	123	15	0
17	2350	21	4456	0	83	14	0	0	123	16	0
17	2393	21	4531	0	83	15	0	0	123	17	0
17	2436	21	4604	0	83	16	0	0	123	20	0
17	2479	21	4657	0	83	17	0	0	123	21	0
17	2522	21	4732	0	83	18	0	0	123	22	0
17	2565	21	5005	0	83	19	0	0	123	23	0
17	2608	21	5060	0	84	0	0	0	124	0	0
17	2651	21	5133	0	84	1	0	0	124	1	0
17	2694	21	5206	0	84	2	0	0	124	2	0
17	2737	21	5261	0	84	3	0	0	124	3	0
17	2780	21	5334	0	84	4	0	0	124	4	0
17	2823	21	5407	0	84	5	0	0	124	5	0
17	2866	21	5462	0	84	6	0	0	124	6	0
17	2909	21	5535	0	84	7	0	0	124	7	0
17	2952	21	5610	0	84	8	0	0	124	10	0
17	2995	21	5663	0	84	9	0	0	124	11	0
17	3038	21	5736	0	84	10	0	0	124	12	0
17	3081	21	6011	0	84	11	0	0	124	13	0
17	3124	21	6064	0	84	12	0	0	124	14	0
17	3167	21	6137	0	84	13	0	0	124	15	0
17	3210	21	6212	0	84	14	0	0	124	16	0
17	3253	21	6265	0	84	15	0	0	124	17	0
17	3296	21	6340	0	84	16	0	0	124	20	0
17	3339	21	6413	0	84	17	0	0	124	21	0
17	3382	21	6466	0	84	18	0	0	124	22	0
17	3425	21	6541	0	84	19	0	0	124	23	0
17	3468	21	6614	0	85	0	0	0	125	0	0
17	3511	21	6667	0	85	1	0	0	125	1	0
17	3554	21	6742	0	85	2	0	0	125	2	0
17	3597	21	7015	0	85	3	0	0	125	3	0
17	3640	21	7070	0	85	4	0	0	125	4	0
17	3683	21	7143	0	85	5	0	0	125	5	0
17	3726	21	7216	0	85	6	0	0	125	6	0
17	3769	21	7271	0	85	7	0	0	125	7	0
17	3812	21	7344	0	85	8	0	0	125	10	0
17	3855	21	7417	0	85	9	0	0	125	11	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
17	3898	21	7472	0	85	10	0	0	125	12	0
17	3941	21	7545	0	85	11	0	0	125	13	0
17	3984	21	7620	0	85	12	0	0	125	14	0
17	4027	21	7673	0	85	13	0	0	125	15	0
17	4070	21	7746	0	85	14	0	0	125	16	0
18	17	22	21	0	85	15	0	0	125	17	0
18	60	22	74	0	85	16	0	0	125	20	0
18	103	22	147	0	85	17	0	0	125	21	0
18	146	22	222	0	85	18	0	0	125	22	0
18	189	22	275	0	85	19	0	0	125	23	0
18	232	22	350	0	86	0	0	0	126	0	0
18	275	22	423	0	86	1	0	0	126	1	0
18	318	22	476	0	86	2	0	0	126	2	0
18	361	22	551	0	86	3	0	0	126	3	0
18	404	22	624	0	86	4	0	0	126	4	0
18	447	22	677	0	86	5	0	0	126	5	0
18	490	22	752	0	86	6	0	0	126	6	0
18	533	22	1025	0	86	7	0	0	126	7	0
18	576	22	1100	0	86	8	0	0	126	10	0
18	619	22	1153	0	86	9	0	0	126	11	0
18	662	22	1226	0	86	10	0	0	126	12	0
18	705	22	1301	0	86	11	0	0	126	13	0
18	748	22	1354	0	86	12	0	0	126	14	0
18	791	22	1427	0	86	13	0	0	126	15	0
18	834	22	1502	0	86	14	0	0	126	16	0
18	877	22	1555	0	86	15	0	0	126	17	0
18	920	22	1630	0	86	16	0	0	126	20	0
18	963	22	1703	0	86	17	0	0	126	21	0
18	1006	22	1756	0	86	18	0	0	126	22	0
18	1049	22	2031	0	86	19	0	0	126	23	0
18	1092	22	2104	0	87	0	0	0	127	0	0
18	1135	22	2157	0	87	1	0	0	127	1	0
18	1178	22	2232	0	87	2	0	0	127	2	0
18	1221	22	2305	0	87	3	0	0	127	3	0
18	1264	22	2360	0	87	4	0	0	127	4	0
18	1307	22	2433	0	87	5	0	0	127	5	0
18	1350	22	2506	0	87	6	0	0	127	6	0
18	1393	22	2561	0	87	7	0	0	127	7	0
18	1436	22	2634	0	87	8	0	0	127	10	0
18	1479	22	2707	0	87	9	0	0	127	11	0
18	1522	22	2762	0	87	10	0	0	127	12	0
18	1565	22	3035	0	87	11	0	0	127	13	0
18	1608	22	3110	0	87	12	0	0	127	14	0
18	1651	22	3163	0	87	13	0	0	127	15	0
18	1694	22	3236	0	87	14	0	0	127	16	0
18	1737	22	3311	0	87	15	0	0	127	17	0
18	1780	22	3364	0	87	16	0	0	127	20	0
18	1823	22	3437	0	87	17	0	0	127	21	0
18	1866	22	3512	0	87	18	0	0	127	22	0
18	1909	22	3565	0	87	19	0	0	127	23	0
18	1952	22	3640	0	88	0	0	0	130	0	0
18	1995	22	3713	0	88	1	0	0	130	1	0
18	2038	22	3766	0	88	2	0	0	130	2	0
18	2081	22	4041	0	88	3	0	0	130	3	0
18	2124	22	4114	0	88	4	0	0	130	4	0
18	2167	22	4167	0	88	5	0	0	130	5	0
18	2210	22	4242	0	88	6	0	0	130	6	0
18	2253	22	4315	0	88	7	0	0	130	7	0
18	2296	22	4370	0	88	8	0	0	130	10	0
18	2339	22	4443	0	88	9	0	0	130	11	0
18	2382	22	4516	0	88	10	0	0	130	12	0
18	2425	22	4571	0	88	11	0	0	130	13	0
18	2468	22	4644	0	88	12	0	0	130	14	0
18	2511	22	4717	0	88	13	0	0	130	15	0
18	2554	22	4772	0	88	14	0	0	130	16	0
18	2597	22	5045	0	88	15	0	0	130	17	0
18	2640	22	5120	0	88	16	0	0	130	20	0
18	2683	22	5173	0	88	17	0	0	130	21	0
18	2726	22	5246	0	88	18	0	0	130	22	0
18	2769	22	5321	0	88	19	0	0	130	23	0
18	2812	22	5374	0	89	0	0	0	131	0	0
18	2855	22	5447	0	89	1	0	0	131	1	0
18	2898	22	5522	0	89	2	0	0	131	2	0
18	2941	22	5575	0	89	3	0	0	131	3	0
18	2984	22	5650	0	89	4	0	0	131	4	0
18	3027	22	5723	0	89	5	0	0	131	5	0
18	3070	22	5776	0	89	6	0	0	131	6	0
18	3113	22	6051	0	89	7	0	0	131	7	0
18	3156	22	6124	0	89	8	0	0	131	10	0
18	3199	22	6177	0	89	9	0	0	131	11	0
18	3242	22	6252	0	89	10	0	0	131	12	0
18	3285	22	6325	0	89	11	0	0	131	13	0
18	3328	22	6400	0	89	12	0	0	131	14	0
18	3371	22	6453	0	89	13	0	0	131	15	0
18	3414	22	6526	0	89	14	0	0	131	16	0
18	3457	22	6601	0	89	15	0	0	131	17	0
18	3500	22	6654	0	89	16	0	0	131	20	0
18	3543	22	6727	0	89	17	0	0	131	21	0
18	3586	22	7002	0	89	18	0	0	131	22	0
18	3629	22	7055	0	89	19	0	0	131	23	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
18	3672	22	7130	0	90	0	0	0	132	0	0
18	3715	22	7203	0	90	1	0	0	132	1	0
18	3758	22	7256	0	90	2	0	0	132	2	0
18	3801	22	7331	0	90	3	0	0	132	3	0
18	3844	22	7404	0	90	4	0	0	132	4	0
18	3887	22	7457	0	90	5	0	0	132	5	0
18	3930	22	7532	0	90	6	0	0	132	6	0
18	3973	22	7605	0	90	7	0	0	132	7	0
18	4016	22	7660	0	90	8	0	0	132	10	0
18	4059	22	7733	0	90	9	0	0	132	11	0
19	6	23	0	0	90	10	0	0	132	12	0
19	49	23	61	0	90	11	0	0	132	13	0
19	92	23	134	0	90	12	0	0	132	14	0
19	135	23	207	0	90	13	0	0	132	15	0
19	178	23	262	0	90	14	0	0	132	16	0
19	221	23	335	0	90	15	0	0	132	17	0
19	264	23	410	0	90	16	0	0	132	20	0
19	307	23	463	0	90	17	0	0	132	21	0
19	350	23	536	0	90	18	0	0	132	22	0
19	393	23	611	0	90	19	0	0	132	23	0
19	436	23	664	0	91	0	0	0	133	0	0
19	479	23	737	0	91	1	0	0	133	1	0
19	522	23	1012	0	91	2	0	0	133	2	0
19	565	23	1065	0	91	3	0	0	133	3	0
19	608	23	1140	0	91	4	0	0	133	4	0
19	651	23	1213	0	91	5	0	0	133	5	0
19	694	23	1266	0	91	6	0	0	133	6	0
19	737	23	1341	0	91	7	0	0	133	7	0
19	780	23	1414	0	91	8	0	0	133	10	0
19	823	23	1467	0	91	9	0	0	133	11	0
19	866	23	1542	0	91	10	0	0	133	12	0
19	909	23	1615	0	91	11	0	0	133	13	0
19	952	23	1670	0	91	12	0	0	133	14	0
19	995	23	1743	0	91	13	0	0	133	15	0
19	1038	23	2016	0	91	14	0	0	133	16	0
19	1081	23	2071	0	91	15	0	0	133	17	0
19	1124	23	2144	0	91	16	0	0	133	20	0
19	1167	23	2217	0	91	17	0	0	133	21	0
19	1210	23	2272	0	91	18	0	0	133	22	0
19	1253	23	2345	0	91	19	0	0	133	23	0
19	1296	23	2420	0	92	0	0	0	134	0	0
19	1339	23	2473	0	92	1	0	0	134	1	0
19	1382	23	2546	0	92	2	0	0	134	2	0
19	1425	23	2621	0	92	3	0	0	134	3	0
19	1468	23	2674	0	92	4	0	0	134	4	0
19	1511	23	2747	0	92	5	0	0	134	5	0
19	1554	23	3022	0	92	6	0	0	134	6	0
19	1597	23	3075	0	92	7	0	0	134	7	0
19	1640	23	3150	0	92	8	0	0	134	10	0
19	1683	23	3223	0	92	9	0	0	134	11	0
19	1726	23	3276	0	92	10	0	0	134	12	0
19	1769	23	3351	0	92	11	0	0	134	13	0
19	1812	23	3424	0	92	12	0	0	134	14	0
19	1855	23	3477	0	92	13	0	0	134	15	0
19	1898	23	3552	0	92	14	0	0	134	16	0
19	1941	23	3625	0	92	15	0	0	134	17	0
19	1984	23	3700	0	92	16	0	0	134	20	0
19	2027	23	3753	0	92	17	0	0	134	21	0
19	2070	23	4026	0	92	18	0	0	134	22	0
19	2113	23	4101	0	92	19	0	0	134	23	0
19	2156	23	4154	0	93	0	0	0	135	0	0
19	2199	23	4227	0	93	1	0	0	135	1	0
19	2242	23	4302	0	93	2	0	0	135	2	0
19	2285	23	4355	0	93	3	0	0	135	3	0
19	2328	23	4430	0	93	4	0	0	135	4	0
19	2371	23	4503	0	93	5	0	0	135	5	0
19	2414	23	4556	0	93	6	0	0	135	6	0
19	2457	23	4631	0	93	7	0	0	135	7	0
19	2500	23	4704	0	93	8	0	0	135	10	0
19	2543	23	4757	0	93	9	0	0	135	11	0
19	2586	23	5032	0	93	10	0	0	135	12	0
19	2629	23	5105	0	93	11	0	0	135	13	0
19	2672	23	5160	0	93	12	0	0	135	14	0
19	2715	23	5233	0	93	13	0	0	135	15	0
19	2758	23	5306	0	93	14	0	0	135	16	0
19	2801	23	5361	0	93	15	0	0	135	17	0
19	2844	23	5434	0	93	16	0	0	135	20	0
19	2887	23	5507	0	93	17	0	0	135	21	0
19	2930	23	5562	0	93	18	0	0	135	22	0
19	2973	23	5635	0	93	19	0	0	135	23	0
19	3016	23	5710	0	94	0	0	0	136	0	0
19	3059	23	5763	0	94	1	0	0	136	1	0
19	3102	23	6036	0	94	2	0	0	136	2	0
19	3145	23	6111	0	94	3	0	0	136	3	0
19	3188	23	6164	0	94	4	0	0	136	4	0
19	3231	23	6237	0	94	5	0	0	136	5	0
19	3274	23	6312	0	94	6	0	0	136	6	0
19	3317	23	6365	0	94	7	0	0	136	7	0
19	3360	23	6440	0	94	8	0	0	136	10	0
19	3403	23	6513	0	94	9	0	0	136	11	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS B	TRACK/SEC C	POS D	TRACK/SEC E	UNIT F	CYL G	HEAD H	SEC I	UNIT J	CYL K	HEAD L	SEC M
19	3446	23	6566	0	94	10	0	0	136	12	0
19	3489	23	6641	0	94	11	0	0	136	13	0
19	3532	23	6714	0	94	12	0	0	136	14	0
19	3575	23	6767	0	94	13	0	0	136	15	0
19	3618	23	7042	0	94	14	0	0	136	16	0
19	3661	23	7115	0	94	15	0	0	136	17	0
19	3704	23	7170	0	94	16	0	0	136	20	0
19	3747	23	7243	0	94	17	0	0	136	21	0
19	3790	23	7316	0	94	18	0	0	136	22	0
19	3833	23	7371	0	94	19	0	0	136	23	0
19	3876	23	7444	0	95	0	0	0	137	0	0
19	3919	23	7517	0	95	1	0	0	137	1	0
19	3962	23	7572	0	95	2	0	0	137	2	0
19	4005	23	7645	0	95	3	0	0	137	3	0
19	4048	23	7720	0	95	4	0	0	137	4	0
19	4091	23	7773	0	95	5	0	0	137	5	0
20	38	24	46	0	95	6	0	0	137	6	0
20	81	24	121	0	95	7	0	0	137	7	0
20	124	24	174	0	95	8	0	0	137	10	0
20	167	24	247	0	95	9	0	0	137	11	0
20	210	24	322	0	95	10	0	0	137	12	0
20	253	24	375	0	95	11	0	0	137	13	0
20	296	24	450	0	95	12	0	0	137	14	0
20	339	24	523	0	95	13	0	0	137	15	0
20	382	24	576	0	95	14	0	0	137	16	0
20	425	24	651	0	95	15	0	0	137	17	0
20	468	24	724	0	95	16	0	0	137	20	0
20	511	24	777	0	95	17	0	0	137	21	0
20	554	24	1052	0	95	18	0	0	137	22	0
20	597	24	1125	0	95	19	0	0	137	23	0
20	640	24	1200	0	96	0	0	0	140	0	0
20	683	24	1253	0	96	1	0	0	140	1	0
20	726	24	1326	0	96	2	0	0	140	2	0
20	769	24	1401	0	96	3	0	0	140	3	0
20	812	24	1454	0	96	4	0	0	140	4	0
20	855	24	1527	0	96	5	0	0	140	5	0
20	898	24	1602	0	96	6	0	0	140	6	0
20	941	24	1655	0	96	7	0	0	140	7	0
20	984	24	1730	0	96	8	0	0	140	10	0
20	1027	24	2003	0	96	9	0	0	140	11	0
20	1070	24	2056	0	96	10	0	0	140	12	0
20	1113	24	2131	0	96	11	0	0	140	13	0
20	1156	24	2204	0	96	12	0	0	140	14	0
20	1199	24	2257	0	96	13	0	0	140	15	0
20	1242	24	2332	0	96	14	0	0	140	16	0
20	1285	24	2405	0	96	15	0	0	140	17	0
20	1328	24	2460	0	96	16	0	0	140	20	0
20	1371	24	2533	0	96	17	0	0	140	21	0
20	1414	24	2606	0	96	18	0	0	140	22	0
20	1457	24	2661	0	96	19	0	0	140	23	0
20	1500	24	2734	0	97	0	0	0	141	0	0
20	1543	24	3007	0	97	1	0	0	141	1	0
20	1586	24	3062	0	97	2	0	0	141	2	0
20	1629	24	3135	0	97	3	0	0	141	3	0
20	1672	24	3210	0	97	4	0	0	141	4	0
20	1715	24	3263	0	97	5	0	0	141	5	0
20	1758	24	3336	0	97	6	0	0	141	6	0
20	1801	24	3411	0	97	7	0	0	141	7	0
20	1844	24	3464	0	97	8	0	0	141	10	0
20	1887	24	3537	0	97	9	0	0	141	11	0
20	1930	24	3612	0	97	10	0	0	141	12	0
20	1973	24	3665	0	97	11	0	0	141	13	0
20	2016	24	3740	0	97	12	0	0	141	14	0
20	2059	24	4013	0	97	13	0	0	141	15	0
20	2102	24	4066	0	97	14	0	0	141	16	0
20	2145	24	4141	0	97	15	0	0	141	17	0
20	2188	24	4214	0	97	16	0	0	141	20	0
20	2231	24	4267	0	97	17	0	0	141	21	0
20	2274	24	4342	0	97	18	0	0	141	22	0
20	2317	24	4415	0	97	19	0	0	141	23	0
20	2360	24	4470	0	98	0	0	0	142	0	0
20	2403	24	4543	0	98	1	0	0	142	1	0
20	2446	24	4616	0	98	2	0	0	142	2	0
20	2489	24	4671	0	98	3	0	0	142	3	0
20	2532	24	4744	0	98	4	0	0	142	4	0
20	2575	24	5017	0	98	5	0	0	142	5	0
20	2618	24	5072	0	98	6	0	0	142	6	0
20	2661	24	5145	0	98	7	0	0	142	7	0
20	2704	24	5220	0	98	8	0	0	142	10	0
20	2747	24	5273	0	98	9	0	0	142	11	0
20	2790	24	5346	0	98	10	0	0	142	12	0
20	2833	24	5421	0	98	11	0	0	142	13	0
20	2876	24	5474	0	98	12	0	0	142	14	0
20	2919	24	5547	0	98	13	0	0	142	15	0
20	2962	24	5622	0	98	14	0	0	142	16	0
20	3005	24	5675	0	98	15	0	0	142	17	0
20	3048	24	5750	0	98	16	0	0	142	20	0
20	3091	24	6023	0	98	17	0	0	142	21	0
20	3134	24	6076	0	98	18	0	0	142	22	0
20	3177	24	6151	0	98	19	0	0	142	23	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
20	3220	24	6224	0	99	0	0	0	143	0	0
20	3263	24	6277	0	99	1	0	0	143	1	0
20	3306	24	6352	0	99	2	0	0	143	2	0
20	3349	24	6425	0	99	3	0	0	143	3	0
20	3392	24	6500	0	99	4	0	0	143	4	0
20	3435	24	6553	0	99	5	0	0	143	5	0
20	3478	24	6626	0	99	6	0	0	143	6	0
20	3521	24	6701	0	99	7	0	0	143	7	0
20	3564	24	6754	0	99	8	0	0	143	10	0
20	3607	24	7027	0	99	9	0	0	143	11	0
20	3650	24	7102	0	99	10	0	0	143	12	0
20	3693	24	7155	0	99	11	0	0	143	13	0
20	3736	24	7230	0	99	12	0	0	143	14	0
20	3779	24	7303	0	99	13	0	0	143	15	0
20	3822	24	7356	0	99	14	0	0	143	16	0
20	3865	24	7431	0	99	15	0	0	143	17	0
20	3908	24	7504	0	99	16	0	0	143	20	0
20	3951	24	7557	0	99	17	0	0	143	21	0
20	3994	24	7632	0	99	18	0	0	143	22	0
20	4037	24	7705	0	99	19	0	0	143	23	0
20	4080	24	7760	0	100	0	0	0	144	0	0
21	27	25	33	0	100	1	0	0	144	1	0
21	70	25	106	0	100	2	0	0	144	2	0
21	113	25	161	0	100	3	0	0	144	3	0
21	156	25	234	0	100	4	0	0	144	4	0
21	199	25	307	0	100	5	0	0	144	5	0
21	242	25	362	0	100	6	0	0	144	6	0
21	285	25	435	0	100	7	0	0	144	7	0
21	328	25	510	0	100	8	0	0	144	10	0
21	371	25	563	0	100	9	0	0	144	11	0
21	414	25	636	0	100	10	0	0	144	12	0
21	457	25	711	0	100	11	0	0	144	13	0
21	500	25	764	0	100	12	0	0	144	14	0
21	543	25	1037	0	100	13	0	0	144	15	0
21	586	25	1112	0	100	14	0	0	144	16	0
21	629	25	1165	0	100	15	0	0	144	17	0
21	672	25	1240	0	100	16	0	0	144	20	0
21	715	25	1313	0	100	17	0	0	144	21	0
21	758	25	1366	0	100	18	0	0	144	22	0
21	801	25	1441	0	100	19	0	0	144	23	0
21	844	25	1514	0	101	0	0	0	145	0	0
21	887	25	1567	0	101	1	0	0	145	1	0
21	930	25	1642	0	101	2	0	0	145	2	0
21	973	25	1715	0	101	3	0	0	145	3	0
21	1016	25	1770	0	101	4	0	0	145	4	0
21	1059	25	2043	0	101	5	0	0	145	5	0
21	1102	25	2116	0	101	6	0	0	145	6	0
21	1145	25	2171	0	101	7	0	0	145	7	0
21	1188	25	2244	0	101	8	0	0	145	10	0
21	1231	25	2317	0	101	9	0	0	145	11	0
21	1274	25	2372	0	101	10	0	0	145	12	0
21	1317	25	2445	0	101	11	0	0	145	13	0
21	1360	25	2520	0	101	12	0	0	145	14	0
21	1403	25	2573	0	101	13	0	0	145	15	0
21	1446	25	2646	0	101	14	0	0	145	16	0
21	1489	25	2721	0	101	15	0	0	145	17	0
21	1532	25	2774	0	101	16	0	0	145	20	0
21	1575	25	3047	0	101	17	0	0	145	21	0
21	1618	25	3122	0	101	18	0	0	145	22	0
21	1661	25	3175	0	101	19	0	0	145	23	0
21	1704	25	3250	0	102	0	0	0	146	0	0
21	1747	25	3323	0	102	1	0	0	146	1	0
21	1790	25	3376	0	102	2	0	0	146	2	0
21	1833	25	3451	0	102	3	0	0	146	3	0
21	1876	25	3524	0	102	4	0	0	146	4	0
21	1919	25	3577	0	102	5	0	0	146	5	0
21	1962	25	3652	0	102	6	0	0	146	6	0
21	2005	25	3725	0	102	7	0	0	146	7	0
21	2048	25	4000	0	102	8	0	0	146	10	0
21	2091	25	4053	0	102	9	0	0	146	11	0
21	2134	25	4126	0	102	10	0	0	146	12	0
21	2177	25	4201	0	102	11	0	0	146	13	0
21	2220	25	4254	0	102	12	0	0	146	14	0
21	2263	25	4327	0	102	13	0	0	146	15	0
21	2306	25	4402	0	102	14	0	0	146	16	0
21	2349	25	4455	0	102	15	0	0	146	17	0
21	2392	25	4530	0	102	16	0	0	146	20	0
21	2435	25	4603	0	102	17	0	0	146	21	0
21	2478	25	4656	0	102	18	0	0	146	22	0
21	2521	25	4731	0	102	19	0	0	146	23	0
21	2564	25	5004	0	103	0	0	0	147	0	0
21	2607	25	5057	0	103	1	0	0	147	1	0
21	2650	25	5132	0	103	2	0	0	147	2	0
21	2693	25	5205	0	103	3	0	0	147	3	0
21	2736	25	5260	0	103	4	0	0	147	4	0
21	2779	25	5333	0	103	5	0	0	147	5	0
21	2822	25	5406	0	103	6	0	0	147	6	0
21	2865	25	5461	0	103	7	0	0	147	7	0
21	2908	25	5534	0	103	8	0	0	147	10	0
21	2951	25	5607	0	103	9	0	0	147	11	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	F	F	G	H	I	J	K	L	M
21	2494	25	5662	0	103	10	0	0	147	12	0
21	3037	25	5735	0	103	11	0	0	147	13	0
21	3080	25	6010	0	103	12	0	0	147	14	0
21	3123	25	6063	0	103	13	0	0	147	15	0
21	3166	25	6136	0	103	14	0	0	147	16	0
21	3209	25	6211	0	103	15	0	0	147	17	0
21	3252	25	6264	0	103	16	0	0	147	20	0
21	3295	25	6337	0	103	17	0	0	147	21	0
21	3338	25	6412	0	103	18	0	0	147	22	0
21	3381	25	6465	0	103	19	0	0	147	23	0
21	3424	25	6540	0	104	0	0	0	150	0	0
21	3467	25	6613	0	104	1	0	0	150	1	0
21	3510	25	6666	0	104	2	0	0	150	2	0
21	3553	25	6741	0	104	3	0	0	150	3	0
21	3596	25	7014	0	104	4	0	0	150	4	0
21	3639	25	7067	0	104	5	0	0	150	5	0
21	3682	25	7142	0	104	6	0	0	150	6	0
21	3725	25	7215	0	104	7	0	0	150	7	0
21	3768	25	7270	0	104	8	0	0	150	10	0
21	3811	25	7343	0	104	9	0	0	150	11	0
21	3854	25	7416	0	104	10	0	0	150	12	0
21	3897	25	7471	0	104	11	0	0	150	13	0
21	3940	25	7544	0	104	12	0	0	150	14	0
21	3983	25	7617	0	104	13	0	0	150	15	0
21	4026	25	7672	0	104	14	0	0	150	16	0
21	4069	25	7745	0	104	15	0	0	150	17	0
22	16	26	20	0	104	16	0	0	150	20	0
22	59	26	73	0	104	17	0	0	150	21	0
22	102	26	146	0	104	18	0	0	150	22	0
22	145	26	221	0	104	19	0	0	150	23	0
22	188	26	274	0	105	0	0	0	151	0	0
22	231	26	347	0	105	1	0	0	151	1	0
22	274	26	422	0	105	2	0	0	151	2	0
22	317	26	475	0	105	3	0	0	151	3	0
22	360	26	550	0	105	4	0	0	151	4	0
22	403	26	623	0	105	5	0	0	151	5	0
22	446	26	676	0	105	6	0	0	151	6	0
22	489	26	751	0	105	7	0	0	151	7	0
22	532	26	1024	0	105	8	0	0	151	10	0
22	575	26	1077	0	105	9	0	0	151	11	0
22	618	26	1152	0	105	10	0	0	151	12	0
22	661	26	1225	0	105	11	0	0	151	13	0
22	704	26	1300	0	105	12	0	0	151	14	0
22	747	26	1353	0	105	13	0	0	151	15	0
22	790	26	1426	0	105	14	0	0	151	16	0
22	833	26	1501	0	105	15	0	0	151	17	0
22	876	26	1554	0	105	16	0	0	151	20	0
22	919	26	1627	0	105	17	0	0	151	21	0
22	962	26	1702	0	105	18	0	0	151	22	0
22	1005	26	1755	0	105	19	0	0	151	23	0
22	1048	26	2030	0	106	0	0	0	152	0	0
22	1091	26	2103	0	106	1	0	0	152	1	0
22	1134	26	2156	0	106	2	0	0	152	2	0
22	1177	26	2231	0	106	3	0	0	152	3	0
22	1220	26	2304	0	106	4	0	0	152	4	0
22	1263	26	2357	0	106	5	0	0	152	5	0
22	1306	26	2432	0	106	6	0	0	152	6	0
22	1349	26	2505	0	106	7	0	0	152	7	0
22	1392	26	2560	0	106	8	0	0	152	10	0
22	1435	26	2633	0	106	9	0	0	152	11	0
22	1478	26	2706	0	106	10	0	0	152	12	0
22	1521	26	2761	0	106	11	0	0	152	13	0
22	1564	26	3034	0	106	12	0	0	152	14	0
22	1607	26	3107	0	106	13	0	0	152	15	0
22	1650	26	3162	0	106	14	0	0	152	16	0
22	1693	26	3235	0	106	15	0	0	152	17	0
22	1736	26	3310	0	106	16	0	0	152	20	0
22	1779	26	3363	0	106	17	0	0	152	21	0
22	1822	26	3436	0	106	18	0	0	152	22	0
22	1865	26	3511	0	106	19	0	0	152	23	0
22	1908	26	3564	0	107	0	0	0	153	0	0
22	1951	26	3637	0	107	1	0	0	153	1	0
22	1994	26	3712	0	107	2	0	0	153	2	0
22	2037	26	3765	0	107	3	0	0	153	3	0
22	2080	26	4040	0	107	4	0	0	153	4	0
22	2123	26	4113	0	107	5	0	0	153	5	0
22	2166	26	4166	0	107	6	0	0	153	6	0
22	2209	26	4241	0	107	7	0	0	153	7	0
22	2252	26	4314	0	107	8	0	0	153	10	0
22	2295	26	4367	0	107	9	0	0	153	11	0
22	2338	26	4442	0	107	10	0	0	153	12	0
22	2381	26	4515	0	107	11	0	0	153	13	0
22	2424	26	4570	0	107	12	0	0	153	14	0
22	2467	26	4643	0	107	13	0	0	153	15	0
22	2510	26	4716	0	107	14	0	0	153	16	0
22	2553	26	4771	0	107	15	0	0	153	17	0
22	2596	26	5044	0	107	16	0	0	153	20	0
22	2639	26	5117	0	107	17	0	0	153	21	0
22	2682	26	5172	0	107	18	0	0	153	22	0
22	2725	26	5245	0	107	19	0	0	153	23	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
22	2768	26	5320	0	108	0	0	0	154	0	0
22	2811	26	5373	0	108	1	0	0	154	1	0
22	2854	26	5446	0	108	2	0	0	154	2	0
22	2897	26	5521	0	108	3	0	0	154	3	0
22	2940	26	5574	0	108	4	0	0	154	4	0
22	2983	26	5647	0	108	5	0	0	154	5	0
22	3026	26	5722	0	108	6	0	0	154	6	0
22	3069	26	5775	0	108	7	0	0	154	7	0
22	3112	26	6050	0	108	8	0	0	154	10	0
22	3155	26	6123	0	108	9	0	0	154	11	0
22	3198	26	6176	0	108	10	0	0	154	12	0
22	3241	26	6251	0	108	11	0	0	154	13	0
22	3284	26	6324	0	108	12	0	0	154	14	0
22	3327	26	6377	0	108	13	0	0	154	15	0
22	3370	26	6452	0	108	14	0	0	154	16	0
22	3413	26	6525	0	108	15	0	0	154	17	0
22	3456	26	6600	0	108	16	0	0	154	20	0
22	3499	26	6653	0	108	17	0	0	154	21	0
22	3542	26	6726	0	108	18	0	0	154	22	0
22	3585	26	7001	0	108	19	0	0	154	23	0
22	3628	26	7054	0	109	0	0	0	155	0	0
22	3671	26	7127	0	109	1	0	0	155	1	0
22	3714	26	7202	0	109	2	0	0	155	2	0
22	3757	26	7255	0	109	3	0	0	155	3	0
22	3800	26	7330	0	109	4	0	0	155	4	0
22	3843	26	7403	0	109	5	0	0	155	5	0
22	3886	26	7456	0	109	6	0	0	155	6	0
22	3929	26	7531	0	109	7	0	0	155	7	0
22	3972	26	7604	0	109	8	0	0	155	10	0
22	4015	26	7657	0	109	9	0	0	155	11	0
22	4058	26	7732	0	109	10	0	0	155	12	0
23	5	27	5	0	109	11	0	0	155	13	0
23	48	27	60	0	109	12	0	0	155	14	0
23	91	27	133	0	109	13	0	0	155	15	0
23	134	27	206	0	109	14	0	0	155	16	0
23	177	27	261	0	109	15	0	0	155	17	0
23	220	27	334	0	109	16	0	0	155	20	0
23	263	27	407	0	109	17	0	0	155	21	0
23	306	27	462	0	109	18	0	0	155	22	0
23	349	27	535	0	109	19	0	0	155	23	0
23	392	27	610	0	110	0	0	0	156	0	0
23	435	27	663	0	110	1	0	0	156	1	0
23	478	27	736	0	110	2	0	0	156	2	0
23	521	27	1011	0	110	3	0	0	156	3	0
23	564	27	1064	0	110	4	0	0	156	4	0
23	607	27	1137	0	110	5	0	0	156	5	0
23	650	27	1212	0	110	6	0	0	156	6	0
23	693	27	1265	0	110	7	0	0	156	7	0
23	736	27	1340	0	110	8	0	0	156	10	0
23	779	27	1413	0	110	9	0	0	156	11	0
23	822	27	1466	0	110	10	0	0	156	12	0
23	865	27	1541	0	110	11	0	0	156	13	0
23	908	27	1614	0	110	12	0	0	156	14	0
23	951	27	1667	0	110	13	0	0	156	15	0
23	994	27	1742	0	110	14	0	0	156	16	0
23	1037	27	2015	0	110	15	0	0	156	17	0
23	1080	27	2070	0	110	16	0	0	156	20	0
23	1123	27	2143	0	110	17	0	0	156	21	0
23	1166	27	2216	0	110	18	0	0	156	22	0
23	1209	27	2271	0	110	19	0	0	156	23	0
23	1252	27	2344	0	111	0	0	0	157	0	0
23	1295	27	2417	0	111	1	0	0	157	1	0
23	1338	27	2472	0	111	2	0	0	157	2	0
23	1381	27	2545	0	111	3	0	0	157	3	0
23	1424	27	2620	0	111	4	0	0	157	4	0
23	1467	27	2673	0	111	5	0	0	157	5	0
23	1510	27	2746	0	111	6	0	0	157	6	0
23	1553	27	3021	0	111	7	0	0	157	7	0
23	1596	27	3074	0	111	8	0	0	157	10	0
23	1639	27	3147	0	111	9	0	0	157	11	0
23	1682	27	3222	0	111	10	0	0	157	12	0
23	1725	27	3275	0	111	11	0	0	157	13	0
23	1768	27	3350	0	111	12	0	0	157	14	0
23	1811	27	3423	0	111	13	0	0	157	15	0
23	1854	27	3476	0	111	14	0	0	157	16	0
23	1897	27	3551	0	111	15	0	0	157	17	0
23	1940	27	3624	0	111	16	0	0	157	20	0
23	1983	27	3677	0	111	17	0	0	157	21	0
23	2026	27	3752	0	111	18	0	0	157	22	0
23	2069	27	4025	0	111	19	0	0	157	23	0
23	2112	27	4100	0	112	0	0	0	160	0	0
23	2155	27	4153	0	112	1	0	0	160	1	0
23	2198	27	4226	0	112	2	0	0	160	2	0
23	2241	27	4301	0	112	3	0	0	160	3	0
23	2284	27	4354	0	112	4	0	0	160	4	0
23	2327	27	4427	0	112	5	0	0	160	5	0
23	2370	27	4502	0	112	6	0	0	160	6	0
23	2413	27	4555	0	112	7	0	0	160	7	0
23	2456	27	4630	0	112	8	0	0	160	10	0
23	2499	27	4703	0	112	9	0	0	160	11	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
23	2542	27	4756	0	112	10	0	0	160	12	0
23	2585	27	5031	0	112	11	0	0	160	13	0
23	2628	27	5104	0	112	12	0	0	160	14	0
23	2671	27	5157	0	112	13	0	0	160	15	0
23	2714	27	5232	0	112	14	0	0	160	16	0
23	2757	27	5305	0	112	15	0	0	160	17	0
23	2800	27	5360	0	112	16	0	0	160	20	0
23	2843	27	5433	0	112	17	0	0	160	21	0
23	2886	27	5506	0	112	18	0	0	160	22	0
23	2929	27	5561	0	112	19	0	0	160	23	0
23	2972	27	5634	0	113	0	0	0	161	0	0
23	3015	27	5707	0	113	1	0	0	161	1	0
23	3058	27	5762	0	113	2	0	0	161	2	0
23	3101	27	6035	0	113	3	0	0	161	3	0
23	3144	27	6110	0	113	4	0	0	161	4	0
23	3187	27	6163	0	113	5	0	0	161	5	0
23	3230	27	6236	0	113	6	0	0	161	6	0
23	3273	27	6311	0	113	7	0	0	161	7	0
23	3316	27	6364	0	113	8	0	0	161	10	0
23	3359	27	6437	0	113	9	0	0	161	11	0
23	3402	27	6512	0	113	10	0	0	161	12	0
23	3445	27	6565	0	113	11	0	0	161	13	0
23	3488	27	6640	0	113	12	0	0	161	14	0
23	3531	27	6713	0	113	13	0	0	161	15	0
23	3574	27	6766	0	113	14	0	0	161	16	0
23	3617	27	7041	0	113	15	0	0	161	17	0
23	3660	27	7114	0	113	16	0	0	161	20	0
23	3703	27	7167	0	113	17	0	0	161	21	0
23	3746	27	7242	0	113	18	0	0	161	22	0
23	3789	27	7315	0	113	19	0	0	161	23	0
23	3832	27	7370	0	114	0	0	0	162	0	0
23	3875	27	7443	0	114	1	0	0	162	1	0
23	3918	27	7516	0	114	2	0	0	162	2	0
23	3961	27	7571	0	114	3	0	0	162	3	0
23	4004	27	7644	0	114	4	0	0	162	4	0
23	4047	27	7717	0	114	5	0	0	162	5	0
23	4090	27	7772	0	114	6	0	0	162	6	0
24	37	30	45	0	114	7	0	0	162	7	0
24	80	30	120	0	114	8	0	0	162	10	0
24	123	30	173	0	114	9	0	0	162	11	0
24	166	30	246	0	114	10	0	0	162	12	0
24	209	30	321	0	114	11	0	0	162	13	0
24	252	30	374	0	114	12	0	0	162	14	0
24	295	30	447	0	114	13	0	0	162	15	0
24	338	30	522	0	114	14	0	0	162	16	0
24	381	30	575	0	114	15	0	0	162	17	0
24	424	30	650	0	114	16	0	0	162	20	0
24	467	30	723	0	114	17	0	0	162	21	0
24	510	30	776	0	114	18	0	0	162	22	0
24	553	30	1051	0	114	19	0	0	162	23	0
24	596	30	1124	0	115	0	0	0	163	0	0
24	639	30	1177	0	115	1	0	0	163	1	0
24	682	30	1252	0	115	2	0	0	163	2	0
24	725	30	1325	0	115	3	0	0	163	3	0
24	768	30	1400	0	115	4	0	0	163	4	0
24	811	30	1453	0	115	5	0	0	163	5	0
24	854	30	1526	0	115	6	0	0	163	6	0
24	897	30	1601	0	115	7	0	0	163	7	0
24	940	30	1654	0	115	8	0	0	163	10	0
24	983	30	1727	0	115	9	0	0	163	11	0
24	1026	30	2002	0	115	10	0	0	163	12	0
24	1069	30	2055	0	115	11	0	0	163	13	0
24	1112	30	2130	0	115	12	0	0	163	14	0
24	1155	30	2203	0	115	13	0	0	163	15	0
24	1198	30	2256	0	115	14	0	0	163	16	0
24	1241	30	2331	0	115	15	0	0	163	17	0
24	1284	30	2404	0	115	16	0	0	163	20	0
24	1327	30	2457	0	115	17	0	0	163	21	0
24	1370	30	2532	0	115	18	0	0	163	22	0
24	1413	30	2605	0	115	19	0	0	163	23	0
24	1456	30	2660	0	116	0	0	0	164	0	0
24	1499	30	2733	0	116	1	0	0	164	1	0
24	1542	30	3006	0	116	2	0	0	164	2	0
24	1585	30	3061	0	116	3	0	0	164	3	0
24	1628	30	3134	0	116	4	0	0	164	4	0
24	1671	30	3207	0	116	5	0	0	164	5	0
24	1714	30	3262	0	116	6	0	0	164	6	0
24	1757	30	3335	0	116	7	0	0	164	7	0
24	1800	30	3410	0	116	8	0	0	164	10	0
24	1843	30	3463	0	116	9	0	0	164	11	0
24	1886	30	3536	0	116	10	0	0	164	12	0
24	1929	30	3611	0	116	11	0	0	164	13	0
24	1972	30	3664	0	116	12	0	0	164	14	0
24	2015	30	3737	0	116	13	0	0	164	15	0
24	2058	30	4012	0	116	14	0	0	164	16	0
24	2101	30	4065	0	116	15	0	0	164	17	0
24	2144	30	4140	0	116	16	0	0	164	20	0
24	2187	30	4213	0	116	17	0	0	164	21	0
24	2230	30	4266	0	116	18	0	0	164	22	0
24	2273	30	4341	0	116	19	0	0	164	23	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
24	2316	30	4414	0	117	0	0	0	165	0	0
24	2359	30	4467	0	117	1	0	0	165	1	0
24	2402	30	4542	0	117	2	0	0	165	2	0
24	2445	30	4615	0	117	3	0	0	165	3	0
24	2488	30	4670	0	117	4	0	0	165	4	0
24	2531	30	4743	0	117	5	0	0	165	5	0
24	2574	30	5016	0	117	6	0	0	165	6	0
24	2617	30	5071	0	117	7	0	0	165	7	0
24	2660	30	5144	0	117	8	0	0	165	10	0
24	2703	30	5217	0	117	9	0	0	165	11	0
24	2746	30	5272	0	117	10	0	0	165	12	0
24	2789	30	5345	0	117	11	0	0	165	13	0
24	2832	30	5420	0	117	12	0	0	165	14	0
24	2875	30	5473	0	117	13	0	0	165	15	0
24	2918	30	5546	0	117	14	0	0	165	16	0
24	2961	30	5621	0	117	15	0	0	165	17	0
24	3004	30	5674	0	117	16	0	0	165	20	0
24	3047	30	5747	0	117	17	0	0	165	21	0
24	3090	30	6022	0	117	18	0	0	165	22	0
24	3133	30	6075	0	117	19	0	0	165	23	0
24	3176	30	6150	0	118	0	0	0	166	0	0
24	3219	30	6223	0	118	1	0	0	166	1	0
24	3262	30	6276	0	118	2	0	0	166	2	0
24	3305	30	6351	0	118	3	0	0	166	3	0
24	3348	30	6424	0	118	4	0	0	166	4	0
24	3391	30	6477	0	118	5	0	0	166	5	0
24	3434	30	6552	0	118	6	0	0	166	6	0
24	3477	30	6625	0	118	7	0	0	166	7	0
24	3520	30	6700	0	118	8	0	0	166	10	0
24	3563	30	6753	0	118	9	0	0	166	11	0
24	3606	30	7026	0	118	10	0	0	166	12	0
24	3649	30	7101	0	118	11	0	0	166	13	0
24	3692	30	7154	0	118	12	0	0	166	14	0
24	3735	30	7227	0	118	13	0	0	166	15	0
24	3778	30	7302	0	118	14	0	0	166	16	0
24	3821	30	7355	0	118	15	0	0	166	17	0
24	3864	30	7430	0	118	16	0	0	166	20	0
24	3907	30	7503	0	118	17	0	0	166	21	0
24	3950	30	7556	0	118	18	0	0	166	22	0
24	3993	30	7631	0	118	19	0	0	166	23	0
24	4036	30	7704	0	119	0	0	0	167	0	0
24	4079	30	7757	0	119	1	0	0	167	1	0
25	26	31	32	0	119	2	0	0	167	2	0
25	69	31	105	0	119	3	0	0	167	3	0
25	112	31	160	0	119	4	0	0	167	4	0
25	155	31	233	0	119	5	0	0	167	5	0
25	198	31	306	0	119	6	0	0	167	6	0
25	241	31	361	0	119	7	0	0	167	7	0
25	284	31	434	0	119	8	0	0	167	10	0
25	327	31	507	0	119	9	0	0	167	11	0
25	370	31	562	0	119	10	0	0	167	12	0
25	413	31	635	0	119	11	0	0	167	13	0
25	456	31	710	0	119	12	0	0	167	14	0
25	499	31	763	0	119	13	0	0	167	15	0
25	542	31	1036	0	119	14	0	0	167	16	0
25	585	31	1111	0	119	15	0	0	167	17	0
25	628	31	1164	0	119	16	0	0	167	20	0
25	671	31	1237	0	119	17	0	0	167	21	0
25	714	31	1312	0	119	18	0	0	167	22	0
25	757	31	1365	0	119	19	0	0	167	23	0
25	800	31	1440	0	120	0	0	0	170	0	0
25	843	31	1513	0	120	1	0	0	170	1	0
25	886	31	1566	0	120	2	0	0	170	2	0
25	929	31	1641	0	120	3	0	0	170	3	0
25	972	31	1714	0	120	4	0	0	170	4	0
25	1015	31	1767	0	120	5	0	0	170	5	0
25	1058	31	2042	0	120	6	0	0	170	6	0
25	1101	31	2115	0	120	7	0	0	170	7	0
25	1144	31	2170	0	120	8	0	0	170	10	0
25	1187	31	2243	0	120	9	0	0	170	11	0
25	1230	31	2316	0	120	10	0	0	170	12	0
25	1273	31	2371	0	120	11	0	0	170	13	0
25	1316	31	2444	0	120	12	0	0	170	14	0
25	1359	31	2517	0	120	13	0	0	170	15	0
25	1402	31	2572	0	120	14	0	0	170	16	0
25	1445	31	2645	0	120	15	0	0	170	17	0
25	1488	31	2720	0	120	16	0	0	170	20	0
25	1531	31	2773	0	120	17	0	0	170	21	0
25	1574	31	3046	0	120	18	0	0	170	22	0
25	1617	31	3121	0	120	19	0	0	170	23	0
25	1660	31	3174	0	121	0	0	0	171	0	0
25	1703	31	3247	0	121	1	0	0	171	1	0
25	1746	31	3322	0	121	2	0	0	171	2	0
25	1789	31	3375	0	121	3	0	0	171	3	0
25	1832	31	3450	0	121	4	0	0	171	4	0
25	1875	31	3523	0	121	5	0	0	171	5	0
25	1918	31	3576	0	121	6	0	0	171	6	0
25	1961	31	3651	0	121	7	0	0	171	7	0
25	2004	31	3724	0	121	8	0	0	171	10	0
25	2047	31	3777	0	121	9	0	0	171	11	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
25	2090	31	4052	0	121	10	0	0	171	12	0
25	2133	31	4125	0	121	11	0	0	171	13	0
25	2176	31	4200	0	121	12	0	0	171	14	0
25	2219	31	4253	0	121	13	0	0	171	15	0
25	2262	31	4326	0	121	14	0	0	171	16	0
25	2305	31	4401	0	121	15	0	0	171	17	0
25	2348	31	4454	0	121	16	0	0	171	20	0
25	2391	31	4527	0	121	17	0	0	171	21	0
25	2434	31	4602	0	121	18	0	0	171	22	0
25	2477	31	4655	0	121	19	0	0	171	23	0
25	2520	31	4730	0	122	0	0	0	172	0	0
25	2563	31	5003	0	122	1	0	0	172	1	0
25	2606	31	5056	0	122	2	0	0	172	2	0
25	2649	31	5131	0	122	3	0	0	172	3	0
25	2692	31	5204	0	122	4	0	0	172	4	0
25	2735	31	5257	0	122	5	0	0	172	5	0
25	2778	31	5332	0	122	6	0	0	172	6	0
25	2821	31	5405	0	122	7	0	0	172	7	0
25	2864	31	5460	0	122	8	0	0	172	10	0
25	2907	31	5533	0	122	9	0	0	172	11	0
25	2950	31	5606	0	122	10	0	0	172	12	0
25	2993	31	5661	0	122	11	0	0	172	13	0
25	3036	31	5734	0	122	12	0	0	172	14	0
25	3079	31	6007	0	122	13	0	0	172	15	0
25	3122	31	6062	0	122	14	0	0	172	16	0
25	3165	31	6135	0	122	15	0	0	172	17	0
25	3208	31	6210	0	122	16	0	0	172	20	0
25	3251	31	6263	0	122	17	0	0	172	21	0
25	3294	31	6336	0	122	18	0	0	172	22	0
25	3337	31	6411	0	122	19	0	0	172	23	0
25	3380	31	6464	0	123	0	0	0	173	0	0
25	3423	31	6537	0	123	1	0	0	173	1	0
25	3466	31	6612	0	123	2	0	0	173	2	0
25	3509	31	6665	0	123	3	0	0	173	3	0
25	3552	31	6740	0	123	4	0	0	173	4	0
25	3595	31	7013	0	123	5	0	0	173	5	0
25	3638	31	7066	0	123	6	0	0	173	6	0
25	3681	31	7141	0	123	7	0	0	173	7	0
25	3724	31	7214	0	123	8	0	0	173	10	0
25	3767	31	7267	0	123	9	0	0	173	11	0
25	3810	31	7342	0	123	10	0	0	173	12	0
25	3853	31	7415	0	123	11	0	0	173	13	0
25	3896	31	7470	0	123	12	0	0	173	14	0
25	3939	31	7543	0	123	13	0	0	173	15	0
25	3982	31	7616	0	123	14	0	0	173	16	0
25	4025	31	7671	0	123	15	0	0	173	17	0
25	4068	31	7744	0	123	16	0	0	173	20	0
26	15	32	17	0	123	17	0	0	173	21	0
26	58	32	72	0	123	18	0	0	173	22	0
26	101	32	145	0	123	19	0	0	173	23	0
26	144	32	220	0	124	0	0	0	174	0	0
26	187	32	273	0	124	1	0	0	174	1	0
26	230	32	346	0	124	2	0	0	174	2	0
26	273	32	421	0	124	3	0	0	174	3	0
26	316	32	474	0	124	4	0	0	174	4	0
26	359	32	547	0	124	5	0	0	174	5	0
26	402	32	622	0	124	6	0	0	174	6	0
26	445	32	675	0	124	7	0	0	174	7	0
26	488	32	750	0	124	8	0	0	174	10	0
26	531	32	1023	0	124	9	0	0	174	11	0
26	574	32	1076	0	124	10	0	0	174	12	0
26	617	32	1151	0	124	11	0	0	174	13	0
26	660	32	1224	0	124	12	0	0	174	14	0
26	703	32	1277	0	124	13	0	0	174	15	0
26	746	32	1352	0	124	14	0	0	174	16	0
26	789	32	1425	0	124	15	0	0	174	17	0
26	832	32	1500	0	124	16	0	0	174	20	0
26	875	32	1553	0	124	17	0	0	174	21	0
26	918	32	1626	0	124	18	0	0	174	22	0
26	961	32	1701	0	124	19	0	0	174	23	0
26	1004	32	1754	0	125	0	0	0	175	0	0
26	1047	32	2027	0	125	1	0	0	175	1	0
26	1090	32	2102	0	125	2	0	0	175	2	0
26	1133	32	2155	0	125	3	0	0	175	3	0
26	1176	32	2230	0	125	4	0	0	175	4	0
26	1219	32	2303	0	125	5	0	0	175	5	0
26	1262	32	2356	0	125	6	0	0	175	6	0
26	1305	32	2431	0	125	7	0	0	175	7	0
26	1348	32	2504	0	125	8	0	0	175	10	0
26	1391	32	2557	0	125	9	0	0	175	11	0
26	1434	32	2632	0	125	10	0	0	175	12	0
26	1477	32	2705	0	125	11	0	0	175	13	0
26	1520	32	2760	0	125	12	0	0	175	14	0
26	1563	32	3033	0	125	13	0	0	175	15	0
26	1606	32	3106	0	125	14	0	0	175	16	0
26	1649	32	3161	0	125	15	0	0	175	17	0
26	1692	32	3234	0	125	16	0	0	175	20	0
26	1735	32	3307	0	125	17	0	0	175	21	0
26	1778	32	3362	0	125	18	0	0	175	22	0
26	1821	32	3435	0	125	19	0	0	175	23	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
26	1864	32	3510	0	126	0	0	0	176	0	0
26	1907	32	3563	0	126	1	0	0	176	1	0
26	1950	32	3636	0	126	2	0	0	176	2	0
26	1993	32	3711	0	126	3	0	0	176	3	0
26	2036	32	3764	0	126	4	0	0	176	4	0
26	2079	32	4037	0	126	5	0	0	176	5	0
26	2122	32	4112	0	126	6	0	0	176	6	0
26	2165	32	4165	0	126	7	0	0	176	7	0
26	2208	32	4240	0	126	8	0	0	176	10	0
26	2251	32	4313	0	126	9	0	0	176	11	0
26	2294	32	4366	0	126	10	0	0	176	12	0
26	2337	32	4441	0	126	11	0	0	176	13	0
26	2380	32	4514	0	126	12	0	0	176	14	0
26	2423	32	4567	0	126	13	0	0	176	15	0
26	2466	32	4642	0	126	14	0	0	176	16	0
26	2509	32	4715	0	126	15	0	0	176	17	0
26	2552	32	4770	0	126	16	0	0	176	20	0
26	2595	32	5043	0	126	17	0	0	176	21	0
26	2638	32	5116	0	126	18	0	0	176	22	0
26	2681	32	5171	0	126	19	0	0	176	23	0
26	2724	32	5244	0	127	0	0	0	177	0	0
26	2767	32	5317	0	127	1	0	0	177	1	0
26	2810	32	5372	0	127	2	0	0	177	2	0
26	2853	32	5445	0	127	3	0	0	177	3	0
26	2896	32	5520	0	127	4	0	0	177	4	0
26	2939	32	5573	0	127	5	0	0	177	5	0
26	2982	32	5646	0	127	6	0	0	177	6	0
26	3025	32	5721	0	127	7	0	0	177	7	0
26	3068	32	5774	0	127	8	0	0	177	10	0
26	3111	32	6047	0	127	9	0	0	177	11	0
26	3154	32	6122	0	127	10	0	0	177	12	0
26	3197	32	6175	0	127	11	0	0	177	13	0
26	3240	32	6250	0	127	12	0	0	177	14	0
26	3283	32	6323	0	127	13	0	0	177	15	0
26	3326	32	6376	0	127	14	0	0	177	16	0
26	3369	32	6451	0	127	15	0	0	177	17	0
26	3412	32	6524	0	127	16	0	0	177	20	0
26	3455	32	6577	0	127	17	0	0	177	21	0
26	3498	32	6652	0	127	18	0	0	177	22	0
26	3541	32	6725	0	127	19	0	0	177	23	0
26	3584	32	7000	0	128	0	0	0	200	0	0
26	3627	32	7053	0	128	1	0	0	200	1	0
26	3670	32	7126	0	128	2	0	0	200	2	0
26	3713	32	7201	0	128	3	0	0	200	3	0
26	3756	32	7254	0	128	4	0	0	200	4	0
26	3799	32	7327	0	128	5	0	0	200	5	0
26	3842	32	7402	0	128	6	0	0	200	6	0
26	3885	32	7455	0	128	7	0	0	200	7	0
26	3928	32	7530	0	128	8	0	0	200	10	0
26	3971	32	7603	0	128	9	0	0	200	11	0
26	4014	32	7656	0	128	10	0	0	200	12	0
26	4057	32	7731	0	128	11	0	0	200	13	0
27	4	33	4	0	128	12	0	0	200	14	0
27	47	33	57	0	128	13	0	0	200	15	0
27	90	33	132	0	128	14	0	0	200	16	0
27	133	33	205	0	128	15	0	0	200	17	0
27	176	33	260	0	128	16	0	0	200	20	0
27	219	33	333	0	128	17	0	0	200	21	0
27	262	33	406	0	128	18	0	0	200	22	0
27	305	33	461	0	128	19	0	0	200	23	0
27	348	33	534	0	129	0	0	0	201	0	0
27	391	33	607	0	129	1	0	0	201	1	0
27	434	33	662	0	129	2	0	0	201	2	0
27	477	33	735	0	129	3	0	0	201	3	0
27	520	33	1010	0	129	4	0	0	201	4	0
27	563	33	1063	0	129	5	0	0	201	5	0
27	606	33	1136	0	129	6	0	0	201	6	0
27	649	33	1211	0	129	7	0	0	201	7	0
27	692	33	1264	0	129	8	0	0	201	10	0
27	735	33	1337	0	129	9	0	0	201	11	0
27	778	33	1412	0	129	10	0	0	201	12	0
27	821	33	1465	0	129	11	0	0	201	13	0
27	864	33	1540	0	129	12	0	0	201	14	0
27	907	33	1613	0	129	13	0	0	201	15	0
27	950	33	1666	0	129	14	0	0	201	16	0
27	993	33	1741	0	129	15	0	0	201	17	0
27	1036	33	2014	0	129	16	0	0	201	20	0
27	1079	33	2067	0	129	17	0	0	201	21	0
27	1122	33	2142	0	129	18	0	0	201	22	0
27	1165	33	2215	0	129	19	0	0	201	23	0
27	1208	33	2270	0	130	0	0	0	202	0	0
27	1251	33	2343	0	130	1	0	0	202	1	0
27	1294	33	2416	0	130	2	0	0	202	2	0
27	1337	33	2471	0	130	3	0	0	202	3	0
27	1380	33	2544	0	130	4	0	0	202	4	0
27	1423	33	2617	0	130	5	0	0	202	5	0
27	1466	33	2672	0	130	6	0	0	202	6	0
27	1509	33	2745	0	130	7	0	0	202	7	0
27	1552	33	3020	0	130	8	0	0	202	10	0
27	1595	33	3073	0	130	9	0	0	202	11	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
27	1638	33	3146	0	130	10	0	0	202	12	0
27	1681	33	3221	0	130	11	0	0	202	13	0
27	1724	33	3274	0	130	12	0	0	202	14	0
27	1767	33	3347	0	130	13	0	0	202	15	0
27	1810	33	3422	0	130	14	0	0	202	16	0
27	1853	33	3475	0	130	15	0	0	202	17	0
27	1896	33	3550	0	130	16	0	0	202	20	0
27	1939	33	3623	0	130	17	0	0	202	21	0
27	1982	33	3676	0	130	18	0	0	202	22	0
27	2025	33	3751	0	130	19	0	0	202	23	0
27	2068	33	4024	0	131	0	0	0	203	0	0
27	2111	33	4077	0	131	1	0	0	203	1	0
27	2154	33	4152	0	131	2	0	0	203	2	0
27	2197	33	4225	0	131	3	0	0	203	3	0
27	2240	33	4300	0	131	4	0	0	203	4	0
27	2283	33	4353	0	131	5	0	0	203	5	0
27	2326	33	4426	0	131	6	0	0	203	6	0
27	2369	33	4501	0	131	7	0	0	203	7	0
27	2412	33	4554	0	131	8	0	0	203	10	0
27	2455	33	4627	0	131	9	0	0	203	11	0
27	2498	33	4702	0	131	10	0	0	203	12	0
27	2541	33	4755	0	131	11	0	0	203	13	0
27	2584	33	5030	0	131	12	0	0	203	14	0
27	2627	33	5103	0	131	13	0	0	203	15	0
27	2670	33	5156	0	131	14	0	0	203	16	0
27	2713	33	5231	0	131	15	0	0	203	17	0
27	2756	33	5304	0	131	16	0	0	203	20	0
27	2799	33	5357	0	131	17	0	0	203	21	0
27	2842	33	5432	0	131	18	0	0	203	22	0
27	2885	33	5505	0	131	19	0	0	203	23	0
27	2928	33	5560	0	132	0	0	0	204	0	0
27	2971	33	5633	0	132	1	0	0	204	1	0
27	3014	33	5706	0	132	2	0	0	204	2	0
27	3057	33	5761	0	132	3	0	0	204	3	0
27	3100	33	6034	0	132	4	0	0	204	4	0
27	3143	33	6107	0	132	5	0	0	204	5	0
27	3186	33	6162	0	132	6	0	0	204	6	0
27	3229	33	6235	0	132	7	0	0	204	7	0
27	3272	33	6310	0	132	8	0	0	204	10	0
27	3315	33	6363	0	132	9	0	0	204	11	0
27	3358	33	6436	0	132	10	0	0	204	12	0
27	3401	33	6511	0	132	11	0	0	204	13	0
27	3444	33	6564	0	132	12	0	0	204	14	0
27	3487	33	6637	0	132	13	0	0	204	15	0
27	3530	33	6712	0	132	14	0	0	204	16	0
27	3573	33	6765	0	132	15	0	0	204	17	0
27	3616	33	7040	0	132	16	0	0	204	20	0
27	3659	33	7113	0	132	17	0	0	204	21	0
27	3702	33	7166	0	132	18	0	0	204	22	0
27	3745	33	7241	0	132	19	0	0	204	23	0
27	3788	33	7314	0	133	0	0	0	205	0	0
27	3831	33	7367	0	133	1	0	0	205	1	0
27	3874	33	7442	0	133	2	0	0	205	2	0
27	3917	33	7515	0	133	3	0	0	205	3	0
27	3960	33	7570	0	133	4	0	0	205	4	0
27	4003	33	7643	0	133	5	0	0	205	5	0
27	4046	33	7716	0	133	6	0	0	205	6	0
27	4089	33	7771	0	133	7	0	0	205	7	0
28	36	34	44	0	133	8	0	0	205	10	0
28	79	34	117	0	133	9	0	0	205	11	0
28	122	34	172	0	133	10	0	0	205	12	0
28	165	34	245	0	133	11	0	0	205	13	0
28	208	34	320	0	133	12	0	0	205	14	0
28	251	34	373	0	133	13	0	0	205	15	0
28	294	34	446	0	133	14	0	0	205	16	0
28	337	34	521	0	133	15	0	0	205	17	0
28	380	34	574	0	133	16	0	0	205	20	0
28	423	34	647	0	133	17	0	0	205	21	0
28	466	34	722	0	133	18	0	0	205	22	0
28	509	34	775	0	133	19	0	0	205	23	0
28	552	34	1050	0	134	0	0	0	206	0	0
28	595	34	1123	0	134	1	0	0	206	1	0
28	638	34	1176	0	134	2	0	0	206	2	0
28	681	34	1251	0	134	3	0	0	206	3	0
28	724	34	1324	0	134	4	0	0	206	4	0
28	767	34	1377	0	134	5	0	0	206	5	0
28	810	34	1452	0	134	6	0	0	206	6	0
28	853	34	1525	0	134	7	0	0	206	7	0
28	896	34	1600	0	134	8	0	0	206	10	0
28	939	34	1653	0	134	9	0	0	206	11	0
28	982	34	1726	0	134	10	0	0	206	12	0
28	1025	34	2001	0	134	11	0	0	206	13	0
28	1068	34	2054	0	134	12	0	0	206	14	0
28	1111	34	2127	0	134	13	0	0	206	15	0
28	1154	34	2202	0	134	14	0	0	206	16	0
28	1197	34	2255	0	134	15	0	0	206	17	0
28	1240	34	2330	0	134	16	0	0	206	20	0
28	1283	34	2403	0	134	17	0	0	206	21	0
28	1326	34	2456	0	134	18	0	0	206	22	0
28	1369	34	2531	0	134	19	0	0	206	23	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS B	TRACK/SEC C	POS D	TRACK/SEC E	UNIT F	CYL G	HEAD H	SEC I	UNIT J	CYL K	HEAD L	SEC M
28	1412	34	2604	0	135	0	0	0	207	0	0
28	1455	34	2657	0	135	1	0	0	207	1	0
28	1498	34	2732	0	135	2	0	0	207	2	0
28	1541	34	3005	0	135	3	0	0	207	3	0
28	1584	34	3060	0	135	4	0	0	207	4	0
28	1627	34	3133	0	135	5	0	0	207	5	0
28	1670	34	3206	0	135	6	0	0	207	6	0
28	1713	34	3261	0	135	7	0	0	207	7	0
28	1756	34	3334	0	135	8	0	0	207	10	0
28	1799	34	3407	0	135	9	0	0	207	11	0
28	1842	34	3462	0	135	10	0	0	207	12	0
28	1885	34	3535	0	135	11	0	0	207	13	0
28	1928	34	3610	0	135	12	0	0	207	14	0
28	1971	34	3663	0	135	13	0	0	207	15	0
28	2014	34	3736	0	135	14	0	0	207	16	0
28	2057	34	4011	0	135	15	0	0	207	17	0
28	2100	34	4064	0	135	16	0	0	207	20	0
28	2143	34	4137	0	135	17	0	0	207	21	0
28	2186	34	4212	0	135	18	0	0	207	22	0
28	2229	34	4265	0	135	19	0	0	207	23	0
28	2272	34	4340	0	136	0	0	0	210	0	0
28	2315	34	4413	0	136	1	0	0	210	1	0
28	2358	34	4466	0	136	2	0	0	210	2	0
28	2401	34	4541	0	136	3	0	0	210	3	0
28	2444	34	4614	0	136	4	0	0	210	4	0
28	2487	34	4667	0	136	5	0	0	210	5	0
28	2530	34	4742	0	136	6	0	0	210	6	0
28	2573	34	5015	0	136	7	0	0	210	7	0
28	2616	34	5070	0	136	8	0	0	210	10	0
28	2659	34	5143	0	136	9	0	0	210	11	0
28	2702	34	5216	0	136	10	0	0	210	12	0
28	2745	34	5271	0	136	11	0	0	210	13	0
28	2788	34	5344	0	136	12	0	0	210	14	0
28	2831	34	5417	0	136	13	0	0	210	15	0
28	2874	34	5472	0	136	14	0	0	210	16	0
28	2917	34	5545	0	136	15	0	0	210	17	0
28	2960	34	5620	0	136	16	0	0	210	20	0
28	3003	34	5673	0	136	17	0	0	210	21	0
28	3046	34	5746	0	136	18	0	0	210	22	0
28	3089	34	6021	0	136	19	0	0	210	23	0
28	3132	34	6074	0	137	0	0	0	211	0	0
28	3175	34	6147	0	137	1	0	0	211	1	0
28	3218	34	6222	0	137	2	0	0	211	2	0
28	3261	34	6275	0	137	3	0	0	211	3	0
28	3304	34	6350	0	137	4	0	0	211	4	0
28	3347	34	6423	0	137	5	0	0	211	5	0
28	3390	34	6476	0	137	6	0	0	211	6	0
28	3433	34	6551	0	137	7	0	0	211	7	0
28	3476	34	6624	0	137	8	0	0	211	10	0
28	3519	34	6677	0	137	9	0	0	211	11	0
28	3562	34	6752	0	137	10	0	0	211	12	0
28	3605	34	7025	0	137	11	0	0	211	13	0
28	3648	34	7100	0	137	12	0	0	211	14	0
28	3691	34	7153	0	137	13	0	0	211	15	0
28	3734	34	7226	0	137	14	0	0	211	16	0
28	3777	34	7301	0	137	15	0	0	211	17	0
28	3820	34	7354	0	137	16	0	0	211	20	0
28	3863	34	7427	0	137	17	0	0	211	21	0
28	3906	34	7502	0	137	18	0	0	211	22	0
28	3949	34	7555	0	137	19	0	0	211	23	0
28	3992	34	7630	0	138	0	0	0	212	0	0
28	4035	34	7703	0	138	1	0	0	212	1	0
28	4078	34	7756	0	138	2	0	0	212	2	0
29	25	35	31	0	138	3	0	0	212	3	0
29	68	35	104	0	138	4	0	0	212	4	0
29	111	35	157	0	138	5	0	0	212	5	0
29	154	35	232	0	138	6	0	0	212	6	0
29	197	35	305	0	138	7	0	0	212	7	0
29	240	35	360	0	138	8	0	0	212	10	0
29	283	35	433	0	138	9	0	0	212	11	0
29	326	35	506	0	138	10	0	0	212	12	0
29	369	35	561	0	138	11	0	0	212	13	0
29	412	35	634	0	138	12	0	0	212	14	0
29	455	35	707	0	138	13	0	0	212	15	0
29	498	35	762	0	138	14	0	0	212	16	0
29	541	35	1035	0	138	15	0	0	212	17	0
29	584	35	1110	0	138	16	0	0	212	20	0
29	627	35	1163	0	138	17	0	0	212	21	0
29	670	35	1236	0	138	18	0	0	212	22	0
29	713	35	1311	0	138	19	0	0	212	23	0
29	756	35	1364	0	139	0	0	0	213	0	0
29	799	35	1437	0	139	1	0	0	213	1	0
29	842	35	1512	0	139	2	0	0	213	2	0
29	885	35	1565	0	139	3	0	0	213	3	0
29	928	35	1640	0	139	4	0	0	213	4	0
29	971	35	1713	0	139	5	0	0	213	5	0
29	1014	35	1766	0	139	6	0	0	213	6	0
29	1057	35	2041	0	139	7	0	0	213	7	0
29	1100	35	2114	0	139	8	0	0	213	10	0
29	1143	35	2167	0	139	9	0	0	213	11	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
29	1186	35	2242	0	139	10	0	0	213	12	0
29	1229	35	2315	0	139	11	0	0	213	13	0
29	1272	35	2370	0	139	12	0	0	213	14	0
29	1315	35	2443	0	139	13	0	0	213	15	0
29	1358	35	2516	0	139	14	0	0	213	16	0
29	1401	35	2571	0	139	15	0	0	213	17	0
29	1444	35	2644	0	139	16	0	0	213	20	0
29	1487	35	2717	0	139	17	0	0	213	21	0
29	1530	35	2772	0	139	18	0	0	213	22	0
29	1573	35	3045	0	139	19	0	0	213	23	0
29	1616	35	3120	0	140	0	0	0	214	0	0
29	1659	35	3173	0	140	1	0	0	214	1	0
29	1702	35	3246	0	140	2	0	0	214	2	0
29	1745	35	3321	0	140	3	0	0	214	3	0
29	1788	35	3374	0	140	4	0	0	214	4	0
29	1831	35	3447	0	140	5	0	0	214	5	0
29	1874	35	3522	0	140	6	0	0	214	6	0
29	1917	35	3575	0	140	7	0	0	214	7	0
29	1960	35	3650	0	140	8	0	0	214	10	0
29	2003	35	3723	0	140	9	0	0	214	11	0
29	2046	35	3776	0	140	10	0	0	214	12	0
29	2089	35	4051	0	140	11	0	0	214	13	0
29	2132	35	4124	0	140	12	0	0	214	14	0
29	2175	35	4177	0	140	13	0	0	214	15	0
29	2218	35	4252	0	140	14	0	0	214	16	0
29	2261	35	4325	0	140	15	0	0	214	17	0
29	2304	35	4400	0	140	16	0	0	214	20	0
29	2347	35	4453	0	140	17	0	0	214	21	0
29	2390	35	4526	0	140	18	0	0	214	22	0
29	2433	35	4601	0	140	19	0	0	214	23	0
29	2476	35	4654	0	141	0	0	0	215	0	0
29	2519	35	4727	0	141	1	0	0	215	1	0
29	2562	35	5002	0	141	2	0	0	215	2	0
29	2605	35	5055	0	141	3	0	0	215	3	0
29	2648	35	5130	0	141	4	0	0	215	4	0
29	2691	35	5203	0	141	5	0	0	215	5	0
29	2734	35	5256	0	141	6	0	0	215	6	0
29	2777	35	5331	0	141	7	0	0	215	7	0
29	2820	35	5404	0	141	8	0	0	215	10	0
29	2863	35	5457	0	141	9	0	0	215	11	0
29	2906	35	5532	0	141	10	0	0	215	12	0
29	2949	35	5605	0	141	11	0	0	215	13	0
29	2992	35	5660	0	141	12	0	0	215	14	0
29	3035	35	5733	0	141	13	0	0	215	15	0
29	3078	35	6006	0	141	14	0	0	215	16	0
29	3121	35	6061	0	141	15	0	0	215	17	0
29	3164	35	6134	0	141	16	0	0	215	20	0
29	3207	35	6207	0	141	17	0	0	215	21	0
29	3250	35	6262	0	141	18	0	0	215	22	0
29	3293	35	6335	0	141	19	0	0	215	23	0
29	3336	35	6410	0	142	0	0	0	216	0	0
29	3379	35	6463	0	142	1	0	0	216	1	0
29	3422	35	6536	0	142	2	0	0	216	2	0
29	3465	35	6611	0	142	3	0	0	216	3	0
29	3508	35	6664	0	142	4	0	0	216	4	0
29	3551	35	6737	0	142	5	0	0	216	5	0
29	3594	35	7012	0	142	6	0	0	216	6	0
29	3637	35	7065	0	142	7	0	0	216	7	0
29	3680	35	7140	0	142	8	0	0	216	10	0
29	3723	35	7213	0	142	9	0	0	216	11	0
29	3766	35	7266	0	142	10	0	0	216	12	0
29	3809	35	7341	0	142	11	0	0	216	13	0
29	3852	35	7414	0	142	12	0	0	216	14	0
29	3895	35	7467	0	142	13	0	0	216	15	0
29	3938	35	7542	0	142	14	0	0	216	16	0
29	3981	35	7615	0	142	15	0	0	216	17	0
29	4024	35	7670	0	142	16	0	0	216	20	0
29	4067	35	7743	0	142	17	0	0	216	21	0
30	14	36	16	0	142	18	0	0	216	22	0
30	57	36	71	0	142	19	0	0	216	23	0
30	100	36	144	0	143	0	0	0	217	0	0
30	143	36	217	0	143	1	0	0	217	1	0
30	186	36	272	0	143	2	0	0	217	2	0
30	229	36	345	0	143	3	0	0	217	3	0
30	272	36	420	0	143	4	0	0	217	4	0
30	315	36	473	0	143	5	0	0	217	5	0
30	358	36	546	0	143	6	0	0	217	6	0
30	401	36	621	0	143	7	0	0	217	7	0
30	444	36	674	0	143	8	0	0	217	10	0
30	487	36	747	0	143	9	0	0	217	11	0
30	530	36	1022	0	143	10	0	0	217	12	0
30	573	36	1075	0	143	11	0	0	217	13	0
30	616	36	1150	0	143	12	0	0	217	14	0
30	659	36	1223	0	143	13	0	0	217	15	0
30	702	36	1276	0	143	14	0	0	217	16	0
30	745	36	1351	0	143	15	0	0	217	17	0
30	788	36	1424	0	143	16	0	0	217	20	0
30	831	36	1477	0	143	17	0	0	217	21	0
30	874	36	1552	0	143	18	0	0	217	22	0
30	917	36	1625	0	143	19	0	0	217	23	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
30	960	36	1700	0	144	0	0	0	220	0	0
30	1003	36	1753	0	144	1	0	0	220	1	0
30	1046	36	2026	0	144	2	0	0	220	2	0
30	1089	36	2101	0	144	3	0	0	220	3	0
30	1132	36	2154	0	144	4	0	0	220	4	0
30	1175	36	2227	0	144	5	0	0	220	5	0
30	1218	36	2302	0	144	6	0	0	220	6	0
30	1261	36	2355	0	144	7	0	0	220	7	0
30	1304	36	2430	0	144	8	0	0	220	10	0
30	1347	36	2503	0	144	9	0	0	220	11	0
30	1390	36	2556	0	144	10	0	0	220	12	0
30	1433	36	2631	0	144	11	0	0	220	13	0
30	1476	36	2704	0	144	12	0	0	220	14	0
30	1519	36	2757	0	144	13	0	0	220	15	0
30	1562	36	3032	0	144	14	0	0	220	16	0
30	1605	36	3105	0	144	15	0	0	220	17	0
30	1648	36	3160	0	144	16	0	0	220	20	0
30	1691	36	3233	0	144	17	0	0	220	21	0
30	1734	36	3306	0	144	18	0	0	220	22	0
30	1777	36	3361	0	144	19	0	0	220	23	0
30	1820	36	3434	0	145	0	0	0	221	0	0
30	1863	36	3507	0	145	1	0	0	221	1	0
30	1906	36	3562	0	145	2	0	0	221	2	0
30	1949	36	3635	0	145	3	0	0	221	3	0
30	1992	36	3710	0	145	4	0	0	221	4	0
30	2035	36	3763	0	145	5	0	0	221	5	0
30	2078	36	4036	0	145	6	0	0	221	6	0
30	2121	36	4111	0	145	7	0	0	221	7	0
30	2164	36	4164	0	145	8	0	0	221	10	0
30	2207	36	4237	0	145	9	0	0	221	11	0
30	2250	36	4312	0	145	10	0	0	221	12	0
30	2293	36	4365	0	145	11	0	0	221	13	0
30	2336	36	4440	0	145	12	0	0	221	14	0
30	2379	36	4513	0	145	13	0	0	221	15	0
30	2422	36	4566	0	145	14	0	0	221	16	0
30	2465	36	4641	0	145	15	0	0	221	17	0
30	2508	36	4714	0	145	16	0	0	221	20	0
30	2551	36	4767	0	145	17	0	0	221	21	0
30	2594	36	5042	0	145	18	0	0	221	22	0
30	2637	36	5115	0	145	19	0	0	221	23	0
30	2680	36	5170	0	146	0	0	0	222	0	0
30	2723	36	5243	0	146	1	0	0	222	1	0
30	2766	36	5316	0	146	2	0	0	222	2	0
30	2809	36	5371	0	146	3	0	0	222	3	0
30	2852	36	5444	0	146	4	0	0	222	4	0
30	2895	36	5517	0	146	5	0	0	222	5	0
30	2938	36	5572	0	146	6	0	0	222	6	0
30	2981	36	5645	0	146	7	0	0	222	7	0
30	3024	36	5720	0	146	8	0	0	222	10	0
30	3067	36	5773	0	146	9	0	0	222	11	0
30	3110	36	6046	0	146	10	0	0	222	12	0
30	3153	36	6121	0	146	11	0	0	222	13	0
30	3196	36	6174	0	146	12	0	0	222	14	0
30	3239	36	6247	0	146	13	0	0	222	15	0
30	3282	36	6322	0	146	14	0	0	222	16	0
30	3325	36	6375	0	146	15	0	0	222	17	0
30	3368	36	6450	0	146	16	0	0	222	20	0
30	3411	36	6523	0	146	17	0	0	222	21	0
30	3454	36	6576	0	146	18	0	0	222	22	0
30	3497	36	6651	0	146	19	0	0	222	23	0
30	3540	36	6724	0	147	0	0	0	223	0	0
30	3583	36	6777	0	147	1	0	0	223	1	0
30	3626	36	7052	0	147	2	0	0	223	2	0
30	3669	36	7125	0	147	3	0	0	223	3	0
30	3712	36	7200	0	147	4	0	0	223	4	0
30	3755	36	7253	0	147	5	0	0	223	5	0
30	3798	36	7326	0	147	6	0	0	223	6	0
30	3841	36	7401	0	147	7	0	0	223	7	0
30	3884	36	7454	0	147	8	0	0	223	10	0
30	3927	36	7527	0	147	9	0	0	223	11	0
30	3970	36	7602	0	147	10	0	0	223	12	0
30	4013	36	7655	0	147	11	0	0	223	13	0
30	4056	36	7730	0	147	12	0	0	223	14	0
31	3	37	3	0	147	13	0	0	223	15	0
31	46	37	56	0	147	14	0	0	223	16	0
31	89	37	131	0	147	15	0	0	223	17	0
31	132	37	204	0	147	16	0	0	223	20	0
31	175	37	257	0	147	17	0	0	223	21	0
31	218	37	332	0	147	18	0	0	223	22	0
31	261	37	405	0	147	19	0	0	223	23	0
31	304	37	460	0	148	0	0	0	224	0	0
31	347	37	533	0	148	1	0	0	224	1	0
31	390	37	606	0	148	2	0	0	224	2	0
31	433	37	661	0	148	3	0	0	224	3	0
31	476	37	734	0	148	4	0	0	224	4	0
31	519	37	1007	0	148	5	0	0	224	5	0
31	562	37	1062	0	148	6	0	0	224	6	0
31	605	37	1135	0	148	7	0	0	224	7	0
31	648	37	1210	0	148	8	0	0	224	10	0
31	691	37	1263	0	148	9	0	0	224	11	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
31	734	37	1336	0	148	10	0	0	224	12	0
31	777	37	1411	0	148	11	0	0	224	13	0
31	820	37	1464	0	148	12	0	0	224	14	0
31	863	37	1537	0	148	13	0	0	224	15	0
31	906	37	1612	0	148	14	0	0	224	16	0
31	949	37	1665	0	148	15	0	0	224	17	0
31	992	37	1740	0	148	16	0	0	224	20	0
31	1035	37	2013	0	148	17	0	0	224	21	0
31	1078	37	2066	0	148	18	0	0	224	22	0
31	1121	37	2141	0	148	19	0	0	224	23	0
31	1164	37	2214	0	149	0	0	0	225	0	0
31	1207	37	2267	0	149	1	0	0	225	1	0
31	1250	37	2342	0	149	2	0	0	225	2	0
31	1293	37	2415	0	149	3	0	0	225	3	0
31	1336	37	2470	0	149	4	0	0	225	4	0
31	1379	37	2543	0	149	5	0	0	225	5	0
31	1422	37	2616	0	149	6	0	0	225	6	0
31	1465	37	2671	0	149	7	0	0	225	7	0
31	1508	37	2744	0	149	8	0	0	225	10	0
31	1551	37	3017	0	149	9	0	0	225	11	0
31	1594	37	3072	0	149	10	0	0	225	12	0
31	1637	37	3145	0	149	11	0	0	225	13	0
31	1680	37	3220	0	149	12	0	0	225	14	0
31	1723	37	3273	0	149	13	0	0	225	15	0
31	1766	37	3346	0	149	14	0	0	225	16	0
31	1809	37	3421	0	149	15	0	0	225	17	0
31	1852	37	3474	0	149	16	0	0	225	20	0
31	1895	37	3547	0	149	17	0	0	225	21	0
31	1938	37	3622	0	149	18	0	0	225	22	0
31	1981	37	3675	0	149	19	0	0	225	23	0
31	2024	37	3750	0	150	0	0	0	226	0	0
31	2067	37	4023	0	150	1	0	0	226	1	0
31	2110	37	4076	0	150	2	0	0	226	2	0
31	2153	37	4151	0	150	3	0	0	226	3	0
31	2196	37	4224	0	150	4	0	0	226	4	0
31	2239	37	4277	0	150	5	0	0	226	5	0
31	2282	37	4352	0	150	6	0	0	226	6	0
31	2325	37	4425	0	150	7	0	0	226	7	0
31	2368	37	4500	0	150	8	0	0	226	10	0
31	2411	37	4553	0	150	9	0	0	226	11	0
31	2454	37	4626	0	150	10	0	0	226	12	0
31	2497	37	4701	0	150	11	0	0	226	13	0
31	2540	37	4754	0	150	12	0	0	226	14	0
31	2583	37	5027	0	150	13	0	0	226	15	0
31	2626	37	5102	0	150	14	0	0	226	16	0
31	2669	37	5155	0	150	15	0	0	226	17	0
31	2712	37	5230	0	150	16	0	0	226	20	0
31	2755	37	5303	0	150	17	0	0	226	21	0
31	2798	37	5356	0	150	18	0	0	226	22	0
31	2841	37	5431	0	150	19	0	0	226	23	0
31	2884	37	5504	0	151	0	0	0	227	0	0
31	2927	37	5557	0	151	1	0	0	227	1	0
31	2970	37	5632	0	151	2	0	0	227	2	0
31	3013	37	5705	0	151	3	0	0	227	3	0
31	3056	37	5760	0	151	4	0	0	227	4	0
31	3099	37	6033	0	151	5	0	0	227	5	0
31	3142	37	6106	0	151	6	0	0	227	6	0
31	3185	37	6161	0	151	7	0	0	227	7	0
31	3228	37	6234	0	151	8	0	0	227	10	0
31	3271	37	6307	0	151	9	0	0	227	11	0
31	3314	37	6362	0	151	10	0	0	227	12	0
31	3357	37	6435	0	151	11	0	0	227	13	0
31	3400	37	6510	0	151	12	0	0	227	14	0
31	3443	37	6563	0	151	13	0	0	227	15	0
31	3486	37	6636	0	151	14	0	0	227	16	0
31	3529	37	6711	0	151	15	0	0	227	17	0
31	3572	37	6764	0	151	16	0	0	227	20	0
31	3615	37	7037	0	151	17	0	0	227	21	0
31	3658	37	7112	0	151	18	0	0	227	22	0
31	3701	37	7165	0	151	19	0	0	227	23	0
31	3744	37	7240	0	152	0	0	0	230	0	0
31	3787	37	7313	0	152	1	0	0	230	1	0
31	3830	37	7366	0	152	2	0	0	230	2	0
31	3873	37	7441	0	152	3	0	0	230	3	0
31	3916	37	7514	0	152	4	0	0	230	4	0
31	3959	37	7567	0	152	5	0	0	230	5	0
31	4002	37	7642	0	152	6	0	0	230	6	0
31	4045	37	7715	0	152	7	0	0	230	7	0
31	4088	37	7770	0	152	8	0	0	230	10	0
32	35	40	43	0	152	9	0	0	230	11	0
32	78	40	116	0	152	10	0	0	230	12	0
32	121	40	171	0	152	11	0	0	230	13	0
32	164	40	244	0	152	12	0	0	230	14	0
32	207	40	317	0	152	13	0	0	230	15	0
32	250	40	372	0	152	14	0	0	230	16	0
32	293	40	445	0	152	15	0	0	230	17	0
32	336	40	520	0	152	16	0	0	230	20	0
32	379	40	573	0	152	17	0	0	230	21	0
32	422	40	646	0	152	18	0	0	230	22	0
32	465	40	721	0	152	19	0	0	230	23	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
32	508	40	774	0	153	0	0	0	231	0	0
32	551	40	1047	0	153	1	0	0	231	1	0
32	594	40	1122	0	153	2	0	0	231	2	0
32	637	40	1175	0	153	3	0	0	231	3	0
32	680	40	1250	0	153	4	0	0	231	4	0
32	723	40	1323	0	153	5	0	0	231	5	0
32	766	40	1376	0	153	6	0	0	231	6	0
32	809	40	1451	0	153	7	0	0	231	7	0
32	852	40	1524	0	153	8	0	0	231	10	0
32	895	40	1577	0	153	9	0	0	231	11	0
32	938	40	1652	0	153	10	0	0	231	12	0
32	981	40	1725	0	153	11	0	0	231	13	0
32	1024	40	2000	0	153	12	0	0	231	14	0
32	1067	40	2053	0	153	13	0	0	231	15	0
32	1110	40	2126	0	153	14	0	0	231	16	0
32	1153	40	2201	0	153	15	0	0	231	17	0
32	1196	40	2254	0	153	16	0	0	231	20	0
32	1239	40	2327	0	153	17	0	0	231	21	0
32	1282	40	2402	0	153	18	0	0	231	22	0
32	1325	40	2455	0	153	19	0	0	231	23	0
32	1368	40	2530	0	154	0	0	0	232	0	0
32	1411	40	2603	0	154	1	0	0	232	1	0
32	1454	40	2656	0	154	2	0	0	232	2	0
32	1497	40	2731	0	154	3	0	0	232	3	0
32	1540	40	3004	0	154	4	0	0	232	4	0
32	1583	40	3057	0	154	5	0	0	232	5	0
32	1626	40	3132	0	154	6	0	0	232	6	0
32	1669	40	3205	0	154	7	0	0	232	7	0
32	1712	40	3260	0	154	8	0	0	232	10	0
32	1755	40	3333	0	154	9	0	0	232	11	0
32	1798	40	3406	0	154	10	0	0	232	12	0
32	1841	40	3461	0	154	11	0	0	232	13	0
32	1884	40	3534	0	154	12	0	0	232	14	0
32	1927	40	3607	0	154	13	0	0	232	15	0
32	1970	40	3662	0	154	14	0	0	232	16	0
32	2013	40	3735	0	154	15	0	0	232	17	0
32	2056	40	4010	0	154	16	0	0	232	20	0
32	2099	40	4063	0	154	17	0	0	232	21	0
32	2142	40	4136	0	154	18	0	0	232	22	0
32	2185	40	4211	0	154	19	0	0	232	23	0
32	2228	40	4264	0	155	0	0	0	233	0	0
32	2271	40	4337	0	155	1	0	0	233	1	0
32	2314	40	4412	0	155	2	0	0	233	2	0
32	2357	40	4465	0	155	3	0	0	233	3	0
32	2400	40	4540	0	155	4	0	0	233	4	0
32	2443	40	4613	0	155	5	0	0	233	5	0
32	2486	40	4666	0	155	6	0	0	233	6	0
32	2529	40	4741	0	155	7	0	0	233	7	0
32	2572	40	5014	0	155	8	0	0	233	10	0
32	2615	40	5067	0	155	9	0	0	233	11	0
32	2658	40	5142	0	155	10	0	0	233	12	0
32	2701	40	5215	0	155	11	0	0	233	13	0
32	2744	40	5270	0	155	12	0	0	233	14	0
32	2787	40	5343	0	155	13	0	0	233	15	0
32	2830	40	5416	0	155	14	0	0	233	16	0
32	2873	40	5471	0	155	15	0	0	233	17	0
32	2916	40	5544	0	155	16	0	0	233	20	0
32	2959	40	5617	0	155	17	0	0	233	21	0
32	3002	40	5672	0	155	18	0	0	233	22	0
32	3045	40	5745	0	155	19	0	0	233	23	0
32	3088	40	6020	0	156	0	0	0	234	0	0
32	3131	40	6073	0	156	1	0	0	234	1	0
32	3174	40	6146	0	156	2	0	0	234	2	0
32	3217	40	6221	0	156	3	0	0	234	3	0
32	3260	40	6274	0	156	4	0	0	234	4	0
32	3303	40	6347	0	156	5	0	0	234	5	0
32	3346	40	6422	0	156	6	0	0	234	6	0
32	3389	40	6475	0	156	7	0	0	234	7	0
32	3432	40	6550	0	156	8	0	0	234	10	0
32	3475	40	6623	0	156	9	0	0	234	11	0
32	3518	40	6676	0	156	10	0	0	234	12	0
32	3561	40	6751	0	156	11	0	0	234	13	0
32	3604	40	7024	0	156	12	0	0	234	14	0
32	3647	40	7077	0	156	13	0	0	234	15	0
32	3690	40	7152	0	156	14	0	0	234	16	0
32	3733	40	7225	0	156	15	0	0	234	17	0
32	3776	40	7300	0	156	16	0	0	234	20	0
32	3819	40	7353	0	156	17	0	0	234	21	0
32	3862	40	7426	0	156	18	0	0	234	22	0
32	3905	40	7501	0	156	19	0	0	234	23	0
32	3948	40	7554	0	157	0	0	0	235	0	0
32	3991	40	7627	0	157	1	0	0	235	1	0
32	4034	40	7702	0	157	2	0	0	235	2	0
32	4077	40	7755	0	157	3	0	0	235	3	0
33	24	41	30	0	157	4	0	0	235	4	0
33	67	41	103	0	157	5	0	0	235	5	0
33	110	41	156	0	157	6	0	0	235	6	0
33	153	41	231	0	157	7	0	0	235	7	0
33	196	41	304	0	157	8	0	0	235	10	0
33	239	41	357	0	157	9	0	0	235	11	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
33	282	41	432	0	157	10	0	0	235	12	0
33	325	41	505	0	157	11	0	0	235	13	0
33	368	41	560	0	157	12	0	0	235	14	0
33	411	41	633	0	157	13	0	0	235	15	0
33	454	41	706	0	157	14	0	0	235	16	0
33	497	41	761	0	157	15	0	0	235	17	0
33	540	41	1034	0	157	16	0	0	235	20	0
33	583	41	1107	0	157	17	0	0	235	21	0
33	626	41	1162	0	157	18	0	0	235	22	0
33	669	41	1235	0	157	19	0	0	235	23	0
33	712	41	1310	0	158	0	0	0	236	0	0
33	755	41	1363	0	158	1	0	0	236	1	0
33	798	41	1436	0	158	2	0	0	236	2	0
33	841	41	1511	0	158	3	0	0	236	3	0
33	884	41	1564	0	158	4	0	0	236	4	0
33	927	41	1637	0	158	5	0	0	236	5	0
33	970	41	1712	0	158	6	0	0	236	6	0
33	1013	41	1765	0	158	7	0	0	236	7	0
33	1056	41	2040	0	158	8	0	0	236	10	0
33	1099	41	2113	0	158	9	0	0	236	11	0
33	1142	41	2166	0	158	10	0	0	236	12	0
33	1185	41	2241	0	158	11	0	0	236	13	0
33	1228	41	2314	0	158	12	0	0	236	14	0
33	1271	41	2367	0	158	13	0	0	236	15	0
33	1314	41	2442	0	158	14	0	0	236	16	0
33	1357	41	2515	0	158	15	0	0	236	17	0
33	1400	41	2570	0	158	16	0	0	236	20	0
33	1443	41	2643	0	158	17	0	0	236	21	0
33	1486	41	2716	0	158	18	0	0	236	22	0
33	1529	41	2771	0	158	19	0	0	236	23	0
33	1572	41	3044	0	159	0	0	0	237	0	0
33	1615	41	3117	0	159	1	0	0	237	1	0
33	1658	41	3172	0	159	2	0	0	237	2	0
33	1701	41	3245	0	159	3	0	0	237	3	0
33	1744	41	3320	0	159	4	0	0	237	4	0
33	1787	41	3373	0	159	5	0	0	237	5	0
33	1830	41	3446	0	159	6	0	0	237	6	0
33	1873	41	3521	0	159	7	0	0	237	7	0
33	1916	41	3574	0	159	8	0	0	237	10	0
33	1959	41	3647	0	159	9	0	0	237	11	0
33	2002	41	3722	0	159	10	0	0	237	12	0
33	2045	41	3775	0	159	11	0	0	237	13	0
33	2088	41	4050	0	159	12	0	0	237	14	0
33	2131	41	4123	0	159	13	0	0	237	15	0
33	2174	41	4176	0	159	14	0	0	237	16	0
33	2217	41	4251	0	159	15	0	0	237	17	0
33	2260	41	4324	0	159	16	0	0	237	20	0
33	2303	41	4377	0	159	17	0	0	237	21	0
33	2346	41	4452	0	159	18	0	0	237	22	0
33	2389	41	4525	0	159	19	0	0	237	23	0
33	2432	41	4600	0	160	0	0	0	240	0	0
33	2475	41	4653	0	160	1	0	0	240	1	0
33	2518	41	4726	0	160	2	0	0	240	2	0
33	2561	41	5001	0	160	3	0	0	240	3	0
33	2604	41	5054	0	160	4	0	0	240	4	0
33	2647	41	5127	0	160	5	0	0	240	5	0
33	2690	41	5202	0	160	6	0	0	240	6	0
33	2733	41	5255	0	160	7	0	0	240	7	0
33	2776	41	5330	0	160	8	0	0	240	10	0
33	2819	41	5403	0	160	9	0	0	240	11	0
33	2862	41	5456	0	160	10	0	0	240	12	0
33	2905	41	5531	0	160	11	0	0	240	13	0
33	2948	41	5604	0	160	12	0	0	240	14	0
33	2991	41	5657	0	160	13	0	0	240	15	0
33	3034	41	5732	0	160	14	0	0	240	16	0
33	3077	41	6005	0	160	15	0	0	240	17	0
33	3120	41	6060	0	160	16	0	0	240	20	0
33	3163	41	6133	0	160	17	0	0	240	21	0
33	3206	41	6206	0	160	18	0	0	240	22	0
33	3249	41	6261	0	160	19	0	0	240	23	0
33	3292	41	6334	0	161	0	0	0	241	0	0
33	3335	41	6407	0	161	1	0	0	241	1	0
33	3378	41	6462	0	161	2	0	0	241	2	0
33	3421	41	6535	0	161	3	0	0	241	3	0
33	3464	41	6610	0	161	4	0	0	241	4	0
33	3507	41	6663	0	161	5	0	0	241	5	0
33	3550	41	6736	0	161	6	0	0	241	6	0
33	3593	41	7011	0	161	7	0	0	241	7	0
33	3636	41	7064	0	161	8	0	0	241	10	0
33	3679	41	7137	0	161	9	0	0	241	11	0
33	3722	41	7212	0	161	10	0	0	241	12	0
33	3765	41	7265	0	161	11	0	0	241	13	0
33	3808	41	7340	0	161	12	0	0	241	14	0
33	3851	41	7413	0	161	13	0	0	241	15	0
33	3894	41	7466	0	161	14	0	0	241	16	0
33	3937	41	7541	0	161	15	0	0	241	17	0
33	3980	41	7614	0	161	16	0	0	241	20	0
33	4023	41	7667	0	161	17	0	0	241	21	0
33	4066	41	7742	0	161	18	0	0	241	22	0
34	13	42	15	0	161	19	0	0	241	23	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
34	56	42	70	0	162	0	0	0	242	0	0
34	99	42	143	0	162	1	0	0	242	1	0
34	142	42	216	0	162	2	0	0	242	2	0
34	185	42	271	0	162	3	0	0	242	3	0
34	228	42	344	0	162	4	0	0	242	4	0
34	271	42	417	0	162	5	0	0	242	5	0
34	314	42	472	0	162	6	0	0	242	6	0
34	357	42	545	0	162	7	0	0	242	7	0
34	400	42	620	0	162	8	0	0	242	10	0
34	443	42	673	0	162	9	0	0	242	11	0
34	486	42	746	0	162	10	0	0	242	12	0
34	529	42	1021	0	162	11	0	0	242	13	0
34	572	42	1074	0	162	12	0	0	242	14	0
34	615	42	1147	0	162	13	0	0	242	15	0
34	658	42	1222	0	162	14	0	0	242	16	0
34	701	42	1275	0	162	15	0	0	242	17	0
34	744	42	1350	0	162	16	0	0	242	20	0
34	787	42	1423	0	162	17	0	0	242	21	0
34	830	42	1476	0	162	18	0	0	242	22	0
34	873	42	1551	0	162	19	0	0	242	23	0
34	916	42	1624	0	163	0	0	0	243	0	0
34	959	42	1677	0	163	1	0	0	243	1	0
34	1002	42	1752	0	163	2	0	0	243	2	0
34	1045	42	2025	0	163	3	0	0	243	3	0
34	1088	42	2100	0	163	4	0	0	243	4	0
34	1131	42	2153	0	163	5	0	0	243	5	0
34	1174	42	2226	0	163	6	0	0	243	6	0
34	1217	42	2301	0	163	7	0	0	243	7	0
34	1260	42	2354	0	163	8	0	0	243	10	0
34	1303	42	2427	0	163	9	0	0	243	11	0
34	1346	42	2502	0	163	10	0	0	243	12	0
34	1389	42	2555	0	163	11	0	0	243	13	0
34	1432	42	2630	0	163	12	0	0	243	14	0
34	1475	42	2703	0	163	13	0	0	243	15	0
34	1518	42	2756	0	163	14	0	0	243	16	0
34	1561	42	3031	0	163	15	0	0	243	17	0
34	1604	42	3104	0	163	16	0	0	243	20	0
34	1647	42	3157	0	163	17	0	0	243	21	0
34	1690	42	3232	0	163	18	0	0	243	22	0
34	1733	42	3305	0	163	19	0	0	243	23	0
34	1776	42	3360	0	164	0	0	0	244	0	0
34	1819	42	3433	0	164	1	0	0	244	1	0
34	1862	42	3506	0	164	2	0	0	244	2	0
34	1905	42	3561	0	164	3	0	0	244	3	0
34	1948	42	3634	0	164	4	0	0	244	4	0
34	1991	42	3707	0	164	5	0	0	244	5	0
34	2034	42	3762	0	164	6	0	0	244	6	0
34	2077	42	4035	0	164	7	0	0	244	7	0
34	2120	42	4110	0	164	8	0	0	244	10	0
34	2163	42	4163	0	164	9	0	0	244	11	0
34	2206	42	4236	0	164	10	0	0	244	12	0
34	2249	42	4311	0	164	11	0	0	244	13	0
34	2292	42	4364	0	164	12	0	0	244	14	0
34	2335	42	4437	0	164	13	0	0	244	15	0
34	2378	42	4512	0	164	14	0	0	244	16	0
34	2421	42	4565	0	164	15	0	0	244	17	0
34	2464	42	4640	0	164	16	0	0	244	20	0
34	2507	42	4713	0	164	17	0	0	244	21	0
34	2550	42	4766	0	164	18	0	0	244	22	0
34	2593	42	5041	0	164	19	0	0	244	23	0
34	2636	42	5114	0	165	0	0	0	245	0	0
34	2679	42	5167	0	165	1	0	0	245	1	0
34	2722	42	5242	0	165	2	0	0	245	2	0
34	2765	42	5315	0	165	3	0	0	245	3	0
34	2808	42	5370	0	165	4	0	0	245	4	0
34	2851	42	5443	0	165	5	0	0	245	5	0
34	2894	42	5516	0	165	6	0	0	245	6	0
34	2937	42	5571	0	165	7	0	0	245	7	0
34	2980	42	5644	0	165	8	0	0	245	10	0
34	3023	42	5717	0	165	9	0	0	245	11	0
34	3066	42	5772	0	165	10	0	0	245	12	0
34	3109	42	6045	0	165	11	0	0	245	13	0
34	3152	42	6120	0	165	12	0	0	245	14	0
34	3195	42	6173	0	165	13	0	0	245	15	0
34	3238	42	6246	0	165	14	0	0	245	16	0
34	3281	42	6321	0	165	15	0	0	245	17	0
34	3324	42	6374	0	165	16	0	0	245	20	0
34	3367	42	6447	0	165	17	0	0	245	21	0
34	3410	42	6522	0	165	18	0	0	245	22	0
34	3453	42	6575	0	165	19	0	0	245	23	0
34	3496	42	6650	0	166	0	0	0	246	0	0
34	3539	42	6723	0	166	1	0	0	246	1	0
34	3582	42	6776	0	166	2	0	0	246	2	0
34	3625	42	7051	0	166	3	0	0	246	3	0
34	3668	42	7124	0	166	4	0	0	246	4	0
34	3711	42	7177	0	166	5	0	0	246	5	0
34	3754	42	7252	0	166	6	0	0	246	6	0
34	3797	42	7325	0	166	7	0	0	246	7	0
34	3840	42	7400	0	166	8	0	0	246	10	0
34	3883	42	7453	0	166	9	0	0	246	11	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
34	3926	42	7526	0	166	10	0	0	246	12	0
34	3969	42	7601	0	166	11	0	0	246	13	0
34	4012	42	7654	0	166	12	0	0	246	14	0
34	4055	42	7727	0	166	13	0	0	246	15	0
35	2	43	2	0	166	14	0	0	246	16	0
35	45	43	55	0	166	15	0	0	246	17	0
35	88	43	130	0	166	16	0	0	246	20	0
35	131	43	203	0	166	17	0	0	246	21	0
35	174	43	256	0	166	18	0	0	246	22	0
35	217	43	331	0	166	19	0	0	246	23	0
35	260	43	404	0	167	0	0	0	247	0	0
35	303	43	457	0	167	1	0	0	247	1	0
35	346	43	532	0	167	2	0	0	247	2	0
35	389	43	605	0	167	3	0	0	247	3	0
35	432	43	660	0	167	4	0	0	247	4	0
35	475	43	733	0	167	5	0	0	247	5	0
35	518	43	1006	0	167	6	0	0	247	6	0
35	561	43	1061	0	167	7	0	0	247	7	0
35	604	43	1134	0	167	8	0	0	247	10	0
35	647	43	1207	0	167	9	0	0	247	11	0
35	690	43	1262	0	167	10	0	0	247	12	0
35	733	43	1335	0	167	11	0	0	247	13	0
35	776	43	1410	0	167	12	0	0	247	14	0
35	819	43	1463	0	167	13	0	0	247	15	0
35	862	43	1536	0	167	14	0	0	247	16	0
35	905	43	1611	0	167	15	0	0	247	17	0
35	948	43	1664	0	167	16	0	0	247	20	0
35	991	43	1737	0	167	17	0	0	247	21	0
35	1034	43	2012	0	167	18	0	0	247	22	0
35	1077	43	2065	0	167	19	0	0	247	23	0
35	1120	43	2140	0	168	0	0	0	250	0	0
35	1163	43	2213	0	168	1	0	0	250	1	0
35	1206	43	2266	0	168	2	0	0	250	2	0
35	1249	43	2341	0	168	3	0	0	250	3	0
35	1292	43	2414	0	168	4	0	0	250	4	0
35	1335	43	2467	0	168	5	0	0	250	5	0
35	1378	43	2542	0	168	6	0	0	250	6	0
35	1421	43	2615	0	168	7	0	0	250	7	0
35	1464	43	2670	0	168	8	0	0	250	10	0
35	1507	43	2743	0	168	9	0	0	250	11	0
35	1550	43	3016	0	168	10	0	0	250	12	0
35	1593	43	3071	0	168	11	0	0	250	13	0
35	1636	43	3144	0	168	12	0	0	250	14	0
35	1679	43	3217	0	168	13	0	0	250	15	0
35	1722	43	3272	0	168	14	0	0	250	16	0
35	1765	43	3345	0	168	15	0	0	250	17	0
35	1808	43	3420	0	168	16	0	0	250	20	0
35	1851	43	3473	0	168	17	0	0	250	21	0
35	1894	43	3546	0	168	18	0	0	250	22	0
35	1937	43	3621	0	168	19	0	0	250	23	0
35	1980	43	3674	0	169	0	0	0	251	0	0
35	2023	43	3747	0	169	1	0	0	251	1	0
35	2066	43	4022	0	169	2	0	0	251	2	0
35	2109	43	4075	0	169	3	0	0	251	3	0
35	2152	43	4150	0	169	4	0	0	251	4	0
35	2195	43	4223	0	169	5	0	0	251	5	0
35	2238	43	4276	0	169	6	0	0	251	6	0
35	2281	43	4351	0	169	7	0	0	251	7	0
35	2324	43	4424	0	169	8	0	0	251	10	0
35	2367	43	4477	0	169	9	0	0	251	11	0
35	2410	43	4552	0	169	10	0	0	251	12	0
35	2453	43	4625	0	169	11	0	0	251	13	0
35	2496	43	4700	0	169	12	0	0	251	14	0
35	2539	43	4753	0	169	13	0	0	251	15	0
35	2582	43	5026	0	169	14	0	0	251	16	0
35	2625	43	5101	0	169	15	0	0	251	17	0
35	2668	43	5154	0	169	16	0	0	251	20	0
35	2711	43	5227	0	169	17	0	0	251	21	0
35	2754	43	5302	0	169	18	0	0	251	22	0
35	2797	43	5355	0	169	19	0	0	251	23	0
35	2840	43	5430	0	170	0	0	0	252	0	0
35	2883	43	5503	0	170	1	0	0	252	1	0
35	2926	43	5556	0	170	2	0	0	252	2	0
35	2969	43	5631	0	170	3	0	0	252	3	0
35	3012	43	5704	0	170	4	0	0	252	4	0
35	3055	43	5757	0	170	5	0	0	252	5	0
35	3098	43	6032	0	170	6	0	0	252	6	0
35	3141	43	6105	0	170	7	0	0	252	7	0
35	3184	43	6160	0	170	8	0	0	252	10	0
35	3227	43	6233	0	170	9	0	0	252	11	0
35	3270	43	6306	0	170	10	0	0	252	12	0
35	3313	43	6361	0	170	11	0	0	252	13	0
35	3356	43	6434	0	170	12	0	0	252	14	0
35	3399	43	6507	0	170	13	0	0	252	15	0
35	3442	43	6562	0	170	14	0	0	252	16	0
35	3485	43	6635	0	170	15	0	0	252	17	0
35	3528	43	6710	0	170	16	0	0	252	20	0
35	3571	43	6763	0	170	17	0	0	252	21	0
35	3614	43	7036	0	170	18	0	0	252	22	0
35	3657	43	7111	0	170	19	0	0	252	23	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
35	3706	43	7164	0	171	0	0	0	253	0	0
35	3743	43	7237	0	171	1	0	0	253	1	0
35	3786	43	7312	0	171	2	0	0	253	2	0
35	3829	43	7365	0	171	3	0	0	253	3	0
35	3872	43	7440	0	171	4	0	0	253	4	0
35	3915	43	7513	0	171	5	0	0	253	5	0
35	3958	43	7566	0	171	6	0	0	253	6	0
35	4001	43	7641	0	171	7	0	0	253	7	0
35	4044	43	7714	0	171	8	0	0	253	10	0
35	4087	43	7767	0	171	9	0	0	253	11	0
36	34	44	42	0	171	10	0	0	253	12	0
36	77	44	115	0	171	11	0	0	253	13	0
36	120	44	170	0	171	12	0	0	253	14	0
36	163	44	243	0	171	13	0	0	253	15	0
36	206	44	316	0	171	14	0	0	253	16	0
36	249	44	371	0	171	15	0	0	253	17	0
36	292	44	444	0	171	16	0	0	253	20	0
36	335	44	517	0	171	17	0	0	253	21	0
36	378	44	572	0	171	18	0	0	253	22	0
36	421	44	645	0	171	19	0	0	253	23	0
36	464	44	720	0	172	0	0	0	254	0	0
36	507	44	773	0	172	1	0	0	254	1	0
36	550	44	1046	0	172	2	0	0	254	2	0
36	593	44	1121	0	172	3	0	0	254	3	0
36	636	44	1174	0	172	4	0	0	254	4	0
36	679	44	1247	0	172	5	0	0	254	5	0
36	722	44	1322	0	172	6	0	0	254	6	0
36	765	44	1375	0	172	7	0	0	254	7	0
36	808	44	1450	0	172	8	0	0	254	10	0
36	851	44	1523	0	172	9	0	0	254	11	0
36	894	44	1576	0	172	10	0	0	254	12	0
36	937	44	1651	0	172	11	0	0	254	13	0
36	980	44	1724	0	172	12	0	0	254	14	0
36	1023	44	1777	0	172	13	0	0	254	15	0
36	1066	44	2052	0	172	14	0	0	254	16	0
36	1109	44	2125	0	172	15	0	0	254	17	0
36	1152	44	2200	0	172	16	0	0	254	20	0
36	1195	44	2253	0	172	17	0	0	254	21	0
36	1238	44	2326	0	172	18	0	0	254	22	0
36	1281	44	2401	0	172	19	0	0	254	23	0
36	1324	44	2454	0	173	0	0	0	255	0	0
36	1367	44	2527	0	173	1	0	0	255	1	0
36	1410	44	2602	0	173	2	0	0	255	2	0
36	1453	44	2655	0	173	3	0	0	255	3	0
36	1496	44	2730	0	173	4	0	0	255	4	0
36	1539	44	3003	0	173	5	0	0	255	5	0
36	1582	44	3056	0	173	6	0	0	255	6	0
36	1625	44	3131	0	173	7	0	0	255	7	0
36	1668	44	3204	0	173	8	0	0	255	10	0
36	1711	44	3257	0	173	9	0	0	255	11	0
36	1754	44	3332	0	173	10	0	0	255	12	0
36	1797	44	3405	0	173	11	0	0	255	13	0
36	1840	44	3460	0	173	12	0	0	255	14	0
36	1883	44	3533	0	173	13	0	0	255	15	0
36	1926	44	3606	0	173	14	0	0	255	16	0
36	1969	44	3661	0	173	15	0	0	255	17	0
36	2012	44	3734	0	173	16	0	0	255	20	0
36	2055	44	4007	0	173	17	0	0	255	21	0
36	2098	44	4062	0	173	18	0	0	255	22	0
36	2141	44	4135	0	173	19	0	0	255	23	0
36	2184	44	4210	0	174	0	0	0	256	0	0
36	2227	44	4263	0	174	1	0	0	256	1	0
36	2270	44	4336	0	174	2	0	0	256	2	0
36	2313	44	4411	0	174	3	0	0	256	3	0
36	2356	44	4464	0	174	4	0	0	256	4	0
36	2399	44	4537	0	174	5	0	0	256	5	0
36	2442	44	4612	0	174	6	0	0	256	6	0
36	2485	44	4665	0	174	7	0	0	256	7	0
36	2528	44	4740	0	174	8	0	0	256	10	0
36	2571	44	5013	0	174	9	0	0	256	11	0
36	2614	44	5066	0	174	10	0	0	256	12	0
36	2657	44	5141	0	174	11	0	0	256	13	0
36	2700	44	5214	0	174	12	0	0	256	14	0
36	2743	44	5267	0	174	13	0	0	256	15	0
36	2786	44	5342	0	174	14	0	0	256	16	0
36	2829	44	5415	0	174	15	0	0	256	17	0
36	2872	44	5470	0	174	16	0	0	256	20	0
36	2915	44	5543	0	174	17	0	0	256	21	0
36	2958	44	5616	0	174	18	0	0	256	22	0
36	3001	44	5671	0	174	19	0	0	256	23	0
36	3044	44	5744	0	175	0	0	0	257	0	0
36	3087	44	6017	0	175	1	0	0	257	1	0
36	3130	44	6072	0	175	2	0	0	257	2	0
36	3173	44	6145	0	175	3	0	0	257	3	0
36	3216	44	6220	0	175	4	0	0	257	4	0
36	3259	44	6273	0	175	5	0	0	257	5	0
36	3302	44	6346	0	175	6	0	0	257	6	0
36	3345	44	6421	0	175	7	0	0	257	7	0
36	3388	44	6474	0	175	8	0	0	257	10	0
36	3431	44	6547	0	175	9	0	0	257	11	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
36	3474	44	6622	0	175	10	0	0	257	12	0
36	3517	44	6675	0	175	11	0	0	257	13	0
36	3560	44	6750	0	175	12	0	0	257	14	0
36	3603	44	7023	0	175	13	0	0	257	15	0
36	3646	44	7076	0	175	14	0	0	257	16	0
36	3689	44	7151	0	175	15	0	0	257	17	0
36	3732	44	7224	0	175	16	0	0	257	20	0
36	3775	44	7277	0	175	17	0	0	257	21	0
36	3818	44	7352	0	175	18	0	0	257	22	0
36	3861	44	7425	0	175	19	0	0	257	23	0
36	3904	44	7500	0	176	0	0	0	260	0	0
36	3947	44	7553	0	176	1	0	0	260	1	0
36	3990	44	7626	0	176	2	0	0	260	2	0
36	4033	44	7701	0	176	3	0	0	260	3	0
36	4076	44	7754	0	176	4	0	0	260	4	0
37	23	45	27	0	176	5	0	0	260	5	0
37	66	45	102	0	176	6	0	0	260	6	0
37	109	45	155	0	176	7	0	0	260	7	0
37	152	45	230	0	176	8	0	0	260	10	0
37	195	45	303	0	176	9	0	0	260	11	0
37	238	45	356	0	176	10	0	0	260	12	0
37	281	45	431	0	176	11	0	0	260	13	0
37	324	45	504	0	176	12	0	0	260	14	0
37	367	45	557	0	176	13	0	0	260	15	0
37	410	45	632	0	176	14	0	0	260	16	0
37	453	45	705	0	176	15	0	0	260	17	0
37	496	45	760	0	176	16	0	0	260	20	0
37	539	45	1033	0	176	17	0	0	260	21	0
37	582	45	1106	0	176	18	0	0	260	22	0
37	625	45	1161	0	176	19	0	0	260	23	0
37	668	45	1234	0	177	0	0	0	261	0	0
37	711	45	1307	0	177	1	0	0	261	1	0
37	754	45	1362	0	177	2	0	0	261	2	0
37	797	45	1435	0	177	3	0	0	261	3	0
37	840	45	1510	0	177	4	0	0	261	4	0
37	883	45	1563	0	177	5	0	0	261	5	0
37	926	45	1636	0	177	6	0	0	261	6	0
37	969	45	1711	0	177	7	0	0	261	7	0
37	1012	45	1764	0	177	8	0	0	261	10	0
37	1055	45	2037	0	177	9	0	0	261	11	0
37	1098	45	2112	0	177	10	0	0	261	12	0
37	1141	45	2165	0	177	11	0	0	261	13	0
37	1184	45	2240	0	177	12	0	0	261	14	0
37	1227	45	2313	0	177	13	0	0	261	15	0
37	1270	45	2366	0	177	14	0	0	261	16	0
37	1313	45	2441	0	177	15	0	0	261	17	0
37	1356	45	2514	0	177	16	0	0	261	20	0
37	1399	45	2567	0	177	17	0	0	261	21	0
37	1442	45	2642	0	177	18	0	0	261	22	0
37	1485	45	2715	0	177	19	0	0	261	23	0
37	1528	45	2770	0	178	0	0	0	262	0	0
37	1571	45	3043	0	178	1	0	0	262	1	0
37	1614	45	3116	0	178	2	0	0	262	2	0
37	1657	45	3171	0	178	3	0	0	262	3	0
37	1700	45	3244	0	178	4	0	0	262	4	0
37	1743	45	3317	0	178	5	0	0	262	5	0
37	1786	45	3372	0	178	6	0	0	262	6	0
37	1829	45	3445	0	178	7	0	0	262	7	0
37	1872	45	3520	0	178	8	0	0	262	10	0
37	1915	45	3573	0	178	9	0	0	262	11	0
37	1958	45	3646	0	178	10	0	0	262	12	0
37	2001	45	3721	0	178	11	0	0	262	13	0
37	2044	45	3774	0	178	12	0	0	262	14	0
37	2087	45	4047	0	178	13	0	0	262	15	0
37	2130	45	4122	0	178	14	0	0	262	16	0
37	2173	45	4175	0	178	15	0	0	262	17	0
37	2216	45	4250	0	178	16	0	0	262	20	0
37	2259	45	4323	0	178	17	0	0	262	21	0
37	2302	45	4376	0	178	18	0	0	262	22	0
37	2345	45	4451	0	178	19	0	0	262	23	0
37	2388	45	4524	0	179	0	0	0	263	0	0
37	2431	45	4577	0	179	1	0	0	263	1	0
37	2474	45	4652	0	179	2	0	0	263	2	0
37	2517	45	4725	0	179	3	0	0	263	3	0
37	2560	45	5000	0	179	4	0	0	263	4	0
37	2603	45	5053	0	179	5	0	0	263	5	0
37	2646	45	5126	0	179	6	0	0	263	6	0
37	2689	45	5201	0	179	7	0	0	263	7	0
37	2732	45	5254	0	179	8	0	0	263	10	0
37	2775	45	5327	0	179	9	0	0	263	11	0
37	2818	45	5402	0	179	10	0	0	263	12	0
37	2861	45	5455	0	179	11	0	0	263	13	0
37	2904	45	5530	0	179	12	0	0	263	14	0
37	2947	45	5603	0	179	13	0	0	263	15	0
37	2990	45	5656	0	179	14	0	0	263	16	0
37	3033	45	5731	0	179	15	0	0	263	17	0
37	3076	45	6004	0	179	16	0	0	263	20	0
37	3119	45	6057	0	179	17	0	0	263	21	0
37	3162	45	6132	0	179	18	0	0	263	22	0
37	3205	45	6205	0	179	19	0	0	263	23	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
37	3248	45	6260	0	180	0	0	0	264	0	0
37	3291	45	6333	0	180	1	0	0	264	1	0
37	3334	45	6406	0	180	2	0	0	264	2	0
37	3377	45	6461	0	180	3	0	0	264	3	0
37	3420	45	6534	0	180	4	0	0	264	4	0
37	3463	45	6607	0	180	5	0	0	264	5	0
37	3506	45	6662	0	180	6	0	0	264	6	0
37	3549	45	6735	0	180	7	0	0	264	7	0
37	3592	45	7010	0	180	8	0	0	264	10	0
37	3635	45	7063	0	180	9	0	0	264	11	0
37	3678	45	7136	0	180	10	0	0	264	12	0
37	3721	45	7211	0	180	11	0	0	264	13	0
37	3764	45	7264	0	180	12	0	0	264	14	0
37	3807	45	7337	0	180	13	0	0	264	15	0
37	3850	45	7412	0	180	14	0	0	264	16	0
37	3893	45	7465	0	180	15	0	0	264	17	0
37	3936	45	7540	0	180	16	0	0	264	20	0
37	3979	45	7613	0	180	17	0	0	264	21	0
37	4022	45	7666	0	180	18	0	0	264	22	0
37	4065	45	7741	0	180	19	0	0	264	23	0
38	12	46	14	0	181	0	0	0	265	0	0
38	55	46	67	0	181	1	0	0	265	1	0
38	98	46	142	0	181	2	0	0	265	2	0
38	141	46	215	0	181	3	0	0	265	3	0
38	184	46	270	0	181	4	0	0	265	4	0
38	227	46	343	0	181	5	0	0	265	5	0
38	270	46	416	0	181	6	0	0	265	6	0
38	313	46	471	0	181	7	0	0	265	7	0
38	356	46	544	0	181	8	0	0	265	10	0
38	399	46	617	0	181	9	0	0	265	11	0
38	442	46	672	0	181	10	0	0	265	12	0
38	485	46	745	0	181	11	0	0	265	13	0
38	528	46	1020	0	181	12	0	0	265	14	0
38	571	46	1073	0	181	13	0	0	265	15	0
38	614	46	1146	0	181	14	0	0	265	16	0
38	657	46	1221	0	181	15	0	0	265	17	0
38	700	46	1274	0	181	16	0	0	265	20	0
38	743	46	1347	0	181	17	0	0	265	21	0
38	786	46	1422	0	181	18	0	0	265	22	0
38	829	46	1475	0	181	19	0	0	265	23	0
38	872	46	1550	0	182	0	0	0	266	0	0
38	915	46	1623	0	182	1	0	0	266	1	0
38	958	46	1676	0	182	2	0	0	266	2	0
38	1001	46	1751	0	182	3	0	0	266	3	0
38	1044	46	2024	0	182	4	0	0	266	4	0
38	1087	46	2077	0	182	5	0	0	266	5	0
38	1130	46	2152	0	182	6	0	0	266	6	0
38	1173	46	2225	0	182	7	0	0	266	7	0
38	1216	46	2300	0	182	8	0	0	266	10	0
38	1259	46	2353	0	182	9	0	0	266	11	0
38	1302	46	2426	0	182	10	0	0	266	12	0
38	1345	46	2501	0	182	11	0	0	266	13	0
38	1388	46	2554	0	182	12	0	0	266	14	0
38	1431	46	2627	0	182	13	0	0	266	15	0
38	1474	46	2702	0	182	14	0	0	266	16	0
38	1517	46	2755	0	182	15	0	0	266	17	0
38	1560	46	3030	0	182	16	0	0	266	20	0
38	1603	46	3103	0	182	17	0	0	266	21	0
38	1646	46	3156	0	182	18	0	0	266	22	0
38	1689	46	3231	0	182	19	0	0	266	23	0
38	1732	46	3304	0	183	0	0	0	267	0	0
38	1775	46	3357	0	183	1	0	0	267	1	0
38	1818	46	3432	0	183	2	0	0	267	2	0
38	1861	46	3505	0	183	3	0	0	267	3	0
38	1904	46	3560	0	183	4	0	0	267	4	0
38	1947	46	3633	0	183	5	0	0	267	5	0
38	1990	46	3706	0	183	6	0	0	267	6	0
38	2033	46	3761	0	183	7	0	0	267	7	0
38	2076	46	4034	0	183	8	0	0	267	10	0
38	2119	46	4107	0	183	9	0	0	267	11	0
38	2162	46	4162	0	183	10	0	0	267	12	0
38	2205	46	4235	0	183	11	0	0	267	13	0
38	2248	46	4310	0	183	12	0	0	267	14	0
38	2291	46	4363	0	183	13	0	0	267	15	0
38	2334	46	4436	0	183	14	0	0	267	16	0
38	2377	46	4511	0	183	15	0	0	267	17	0
38	2420	46	4564	0	183	16	0	0	267	20	0
38	2463	46	4637	0	183	17	0	0	267	21	0
38	2506	46	4712	0	183	18	0	0	267	22	0
38	2549	46	4765	0	183	19	0	0	267	23	0
38	2592	46	5040	0	184	0	0	0	270	0	0
38	2635	46	5113	0	184	1	0	0	270	1	0
38	2678	46	5166	0	184	2	0	0	270	2	0
38	2721	46	5241	0	184	3	0	0	270	3	0
38	2764	46	5314	0	184	4	0	0	270	4	0
38	2807	46	5367	0	184	5	0	0	270	5	0
38	2850	46	5442	0	184	6	0	0	270	6	0
38	2893	46	5515	0	184	7	0	0	270	7	0
38	2936	46	5570	0	184	8	0	0	270	10	0
38	2979	46	5643	0	184	9	0	0	270	11	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
38	3022	46	5716	0	184	10	0	0	270	12	0
38	3065	46	5771	0	184	11	0	0	270	13	0
38	3108	46	6044	0	184	12	0	0	270	14	0
38	3151	46	6117	0	184	13	0	0	270	15	0
38	3194	46	6172	0	184	14	0	0	270	16	0
38	3237	46	6245	0	184	15	0	0	270	17	0
38	3280	46	6320	0	184	16	0	0	270	20	0
38	3323	46	6373	0	184	17	0	0	270	21	0
38	3366	46	6446	0	184	18	0	0	270	22	0
38	3409	46	6521	0	184	19	0	0	270	23	0
38	3452	46	6574	0	185	0	0	0	271	0	0
38	3495	46	6647	0	185	1	0	0	271	1	0
38	3538	46	6722	0	185	2	0	0	271	2	0
38	3581	46	6775	0	185	3	0	0	271	3	0
38	3624	46	7050	0	185	4	0	0	271	4	0
38	3667	46	7123	0	185	5	0	0	271	5	0
38	3710	46	7176	0	185	6	0	0	271	6	0
38	3753	46	7251	0	185	7	0	0	271	7	0
38	3796	46	7324	0	185	8	0	0	271	10	0
38	3839	46	7377	0	185	9	0	0	271	11	0
38	3882	46	7452	0	185	10	0	0	271	12	0
38	3925	46	7525	0	185	11	0	0	271	13	0
38	3968	46	7600	0	185	12	0	0	271	14	0
38	4011	46	7653	0	185	13	0	0	271	15	0
38	4054	46	7726	0	185	14	0	0	271	16	0
39	1	47	1	0	185	15	0	0	271	17	0
39	44	47	54	0	185	16	0	0	271	20	0
39	87	47	127	0	185	17	0	0	271	21	0
39	130	47	202	0	185	18	0	0	271	22	0
39	173	47	255	0	185	19	0	0	271	23	0
39	216	47	330	0	186	0	0	0	272	0	0
39	259	47	403	0	186	1	0	0	272	1	0
39	302	47	456	0	186	2	0	0	272	2	0
39	345	47	531	0	186	3	0	0	272	3	0
39	388	47	604	0	186	4	0	0	272	4	0
39	431	47	657	0	186	5	0	0	272	5	0
39	474	47	732	0	186	6	0	0	272	6	0
39	517	47	1005	0	186	7	0	0	272	7	0
39	560	47	1060	0	186	8	0	0	272	10	0
39	603	47	1133	0	186	9	0	0	272	11	0
39	646	47	1206	0	186	10	0	0	272	12	0
39	689	47	1261	0	186	11	0	0	272	13	0
39	732	47	1334	0	186	12	0	0	272	14	0
39	775	47	1407	0	186	13	0	0	272	15	0
39	818	47	1462	0	186	14	0	0	272	16	0
39	861	47	1535	0	186	15	0	0	272	17	0
39	904	47	1610	0	186	16	0	0	272	20	0
39	947	47	1663	0	186	17	0	0	272	21	0
39	990	47	1736	0	186	18	0	0	272	22	0
39	1033	47	2011	0	186	19	0	0	272	23	0
39	1076	47	2064	0	187	0	0	0	273	0	0
39	1119	47	2137	0	187	1	0	0	273	1	0
39	1162	47	2212	0	187	2	0	0	273	2	0
39	1205	47	2265	0	187	3	0	0	273	3	0
39	1248	47	2340	0	187	4	0	0	273	4	0
39	1291	47	2413	0	187	5	0	0	273	5	0
39	1334	47	2466	0	187	6	0	0	273	6	0
39	1377	47	2541	0	187	7	0	0	273	7	0
39	1420	47	2614	0	187	8	0	0	273	10	0
39	1463	47	2667	0	187	9	0	0	273	11	0
39	1506	47	2742	0	187	10	0	0	273	12	0
39	1549	47	3015	0	187	11	0	0	273	13	0
39	1592	47	3070	0	187	12	0	0	273	14	0
39	1635	47	3143	0	187	13	0	0	273	15	0
39	1678	47	3216	0	187	14	0	0	273	16	0
39	1721	47	3271	0	187	15	0	0	273	17	0
39	1764	47	3344	0	187	16	0	0	273	20	0
39	1807	47	3417	0	187	17	0	0	273	21	0
39	1850	47	3472	0	187	18	0	0	273	22	0
39	1893	47	3545	0	187	19	0	0	273	23	0
39	1936	47	3620	0	188	0	0	0	274	0	0
39	1979	47	3673	0	188	1	0	0	274	1	0
39	2022	47	3746	0	188	2	0	0	274	2	0
39	2065	47	4021	0	188	3	0	0	274	3	0
39	2108	47	4074	0	188	4	0	0	274	4	0
39	2151	47	4147	0	188	5	0	0	274	5	0
39	2194	47	4222	0	188	6	0	0	274	6	0
39	2237	47	4275	0	188	7	0	0	274	7	0
39	2280	47	4350	0	188	8	0	0	274	10	0
39	2323	47	4423	0	188	9	0	0	274	11	0
39	2366	47	4476	0	188	10	0	0	274	12	0
39	2409	47	4551	0	188	11	0	0	274	13	0
39	2452	47	4624	0	188	12	0	0	274	14	0
39	2495	47	4677	0	188	13	0	0	274	15	0
39	2538	47	4752	0	188	14	0	0	274	16	0
39	2581	47	5025	0	188	15	0	0	274	17	0
39	2624	47	5100	0	188	16	0	0	274	20	0
39	2667	47	5153	0	188	17	0	0	274	21	0
39	2710	47	5226	0	188	18	0	0	274	22	0
39	2753	47	5301	0	188	19	0	0	274	23	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
39	2796	47	5354	0	189	0	0	0	275	0	0
39	2839	47	5427	0	189	1	0	0	275	1	0
39	2882	47	5502	0	189	2	0	0	275	2	0
39	2925	47	5555	0	189	3	0	0	275	3	0
39	2968	47	5630	0	189	4	0	0	275	4	0
39	3011	47	5703	0	189	5	0	0	275	5	0
39	3054	47	5756	0	189	6	0	0	275	6	0
39	3097	47	6031	0	189	7	0	0	275	7	0
39	3140	47	6104	0	189	8	0	0	275	10	0
39	3183	47	6157	0	189	9	0	0	275	11	0
39	3226	47	6232	0	189	10	0	0	275	12	0
39	3269	47	6305	0	189	11	0	0	275	13	0
39	3312	47	6360	0	189	12	0	0	275	14	0
39	3355	47	6433	0	189	13	0	0	275	15	0
39	3398	47	6506	0	189	14	0	0	275	16	0
39	3441	47	6561	0	189	15	0	0	275	17	0
39	3484	47	6634	0	189	16	0	0	275	20	0
39	3527	47	6707	0	189	17	0	0	275	21	0
39	3570	47	6762	0	189	18	0	0	275	22	0
39	3613	47	7035	0	189	19	0	0	275	23	0
39	3656	47	7110	0	190	0	0	0	276	0	0
39	3699	47	7163	0	190	1	0	0	276	1	0
39	3742	47	7236	0	190	2	0	0	276	2	0
39	3785	47	7311	0	190	3	0	0	276	3	0
39	3828	47	7364	0	190	4	0	0	276	4	0
39	3871	47	7437	0	190	5	0	0	276	5	0
39	3914	47	7512	0	190	6	0	0	276	6	0
39	3957	47	7565	0	190	7	0	0	276	7	0
39	4000	47	7640	0	190	8	0	0	276	10	0
39	4043	47	7713	0	190	9	0	0	276	11	0
39	4086	47	7766	0	190	10	0	0	276	12	0
40	33	50	41	0	190	11	0	0	276	13	0
40	76	50	114	0	190	12	0	0	276	14	0
40	119	50	167	0	190	13	0	0	276	15	0
40	162	50	242	0	190	14	0	0	276	16	0
40	205	50	315	0	190	15	0	0	276	17	0
40	248	50	370	0	190	16	0	0	276	20	0
40	291	50	443	0	190	17	0	0	276	21	0
40	334	50	516	0	190	18	0	0	276	22	0
40	377	50	571	0	190	19	0	0	276	23	0
40	420	50	644	0	191	0	0	0	277	0	0
40	463	50	717	0	191	1	0	0	277	1	0
40	506	50	772	0	191	2	0	0	277	2	0
40	549	50	1045	0	191	3	0	0	277	3	0
40	592	50	1120	0	191	4	0	0	277	4	0
40	635	50	1173	0	191	5	0	0	277	5	0
40	678	50	1246	0	191	6	0	0	277	6	0
40	721	50	1321	0	191	7	0	0	277	7	0
40	764	50	1374	0	191	8	0	0	277	10	0
40	807	50	1447	0	191	9	0	0	277	11	0
40	850	50	1522	0	191	10	0	0	277	12	0
40	893	50	1575	0	191	11	0	0	277	13	0
40	936	50	1650	0	191	12	0	0	277	14	0
40	979	50	1723	0	191	13	0	0	277	15	0
40	1022	50	1776	0	191	14	0	0	277	16	0
40	1065	50	2051	0	191	15	0	0	277	17	0
40	1108	50	2124	0	191	16	0	0	277	20	0
40	1151	50	2177	0	191	17	0	0	277	21	0
40	1194	50	2252	0	191	18	0	0	277	22	0
40	1237	50	2325	0	191	19	0	0	277	23	0
40	1280	50	2400	0	192	0	0	0	300	0	0
40	1323	50	2453	0	192	1	0	0	300	1	0
40	1366	50	2526	0	192	2	0	0	300	2	0
40	1409	50	2601	0	192	3	0	0	300	3	0
40	1452	50	2654	0	192	4	0	0	300	4	0
40	1495	50	2727	0	192	5	0	0	300	5	0
40	1538	50	3002	0	192	6	0	0	300	6	0
40	1581	50	3055	0	192	7	0	0	300	7	0
40	1624	50	3130	0	192	8	0	0	300	10	0
40	1667	50	3203	0	192	9	0	0	300	11	0
40	1710	50	3256	0	192	10	0	0	300	12	0
40	1753	50	3331	0	192	11	0	0	300	13	0
40	1796	50	3404	0	192	12	0	0	300	14	0
40	1839	50	3457	0	192	13	0	0	300	15	0
40	1882	50	3532	0	192	14	0	0	300	16	0
40	1925	50	3605	0	192	15	0	0	300	17	0
40	1968	50	3660	0	192	16	0	0	300	20	0
40	2011	50	3733	0	192	17	0	0	300	21	0
40	2054	50	4006	0	192	18	0	0	300	22	0
40	2097	50	4061	0	192	19	0	0	300	23	0
40	2140	50	4134	0	193	0	0	0	301	0	0
40	2183	50	4207	0	193	1	0	0	301	1	0
40	2226	50	4262	0	193	2	0	0	301	2	0
40	2269	50	4335	0	193	3	0	0	301	3	0
40	2312	50	4410	0	193	4	0	0	301	4	0
40	2355	50	4463	0	193	5	0	0	301	5	0
40	2398	50	4536	0	193	6	0	0	301	6	0
40	2441	50	4611	0	193	7	0	0	301	7	0
40	2484	50	4664	0	193	8	0	0	301	10	0
40	2527	50	4737	0	193	9	0	0	301	11	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
40	2570	50	5012	0	193	10	0	0	301	12	0
40	2613	50	5065	0	193	11	0	0	301	13	0
40	2656	50	5140	0	193	12	0	0	301	14	0
40	2699	50	5213	0	193	13	0	0	301	15	0
40	2742	50	5266	0	193	14	0	0	301	16	0
40	2785	50	5341	0	193	15	0	0	301	17	0
40	2828	50	5414	0	193	16	0	0	301	20	0
40	2871	50	5467	0	193	17	0	0	301	21	0
40	2914	50	5542	0	193	18	0	0	301	22	0
40	2957	50	5615	0	193	19	0	0	301	23	0
40	3000	50	5670	0	194	0	0	0	302	0	0
40	3043	50	5743	0	194	1	0	0	302	1	0
40	3086	50	6016	0	194	2	0	0	302	2	0
40	3129	50	6071	0	194	3	0	0	302	3	0
40	3172	50	6144	0	194	4	0	0	302	4	0
40	3215	50	6217	0	194	5	0	0	302	5	0
40	3258	50	6272	0	194	6	0	0	302	6	0
40	3301	50	6345	0	194	7	0	0	302	7	0
40	3344	50	6420	0	194	8	0	0	302	10	0
40	3387	50	6473	0	194	9	0	0	302	11	0
40	3430	50	6546	0	194	10	0	0	302	12	0
40	3473	50	6621	0	194	11	0	0	302	13	0
40	3516	50	6674	0	194	12	0	0	302	14	0
40	3559	50	6747	0	194	13	0	0	302	15	0
40	3602	50	7022	0	194	14	0	0	302	16	0
40	3645	50	7075	0	194	15	0	0	302	17	0
40	3688	50	7150	0	194	16	0	0	302	20	0
40	3731	50	7223	0	194	17	0	0	302	21	0
40	3774	50	7276	0	194	18	0	0	302	22	0
40	3817	50	7351	0	194	19	0	0	302	23	0
40	3860	50	7424	0	195	0	0	0	303	0	0
40	3903	50	7477	0	195	1	0	0	303	1	0
40	3946	50	7552	0	195	2	0	0	303	2	0
40	3989	50	7625	0	195	3	0	0	303	3	0
40	4032	50	7700	0	195	4	0	0	303	4	0
40	4075	50	7753	0	195	5	0	0	303	5	0
41	22	51	26	0	195	6	0	0	303	6	0
41	65	51	101	0	195	7	0	0	303	7	0
41	108	51	154	0	195	8	0	0	303	10	0
41	151	51	227	0	195	9	0	0	303	11	0
41	194	51	302	0	195	10	0	0	303	12	0
41	237	51	355	0	195	11	0	0	303	13	0
41	280	51	430	0	195	12	0	0	303	14	0
41	323	51	503	0	195	13	0	0	303	15	0
41	366	51	556	0	195	14	0	0	303	16	0
41	409	51	631	0	195	15	0	0	303	17	0
41	452	51	704	0	195	16	0	0	303	20	0
41	495	51	757	0	195	17	0	0	303	21	0
41	538	51	1032	0	195	18	0	0	303	22	0
41	581	51	1105	0	195	19	0	0	303	23	0
41	624	51	1160	0	196	0	0	0	304	0	0
41	667	51	1233	0	196	1	0	0	304	1	0
41	710	51	1306	0	196	2	0	0	304	2	0
41	753	51	1361	0	196	3	0	0	304	3	0
41	796	51	1434	0	196	4	0	0	304	4	0
41	839	51	1507	0	196	5	0	0	304	5	0
41	882	51	1562	0	196	6	0	0	304	6	0
41	925	51	1635	0	196	7	0	0	304	7	0
41	968	51	1710	0	196	8	0	0	304	10	0
41	1011	51	1763	0	196	9	0	0	304	11	0
41	1054	51	2036	0	196	10	0	0	304	12	0
41	1097	51	2111	0	196	11	0	0	304	13	0
41	1140	51	2164	0	196	12	0	0	304	14	0
41	1183	51	2237	0	196	13	0	0	304	15	0
41	1226	51	2312	0	196	14	0	0	304	16	0
41	1269	51	2365	0	196	15	0	0	304	17	0
41	1312	51	2440	0	196	16	0	0	304	20	0
41	1355	51	2513	0	196	17	0	0	304	21	0
41	1398	51	2566	0	196	18	0	0	304	22	0
41	1441	51	2641	0	196	19	0	0	304	23	0
41	1484	51	2714	0	197	0	0	0	305	0	0
41	1527	51	2767	0	197	1	0	0	305	1	0
41	1570	51	3042	0	197	2	0	0	305	2	0
41	1613	51	3115	0	197	3	0	0	305	3	0
41	1656	51	3170	0	197	4	0	0	305	4	0
41	1699	51	3243	0	197	5	0	0	305	5	0
41	1742	51	3316	0	197	6	0	0	305	6	0
41	1785	51	3371	0	197	7	0	0	305	7	0
41	1828	51	3444	0	197	8	0	0	305	10	0
41	1871	51	3517	0	197	9	0	0	305	11	0
41	1914	51	3572	0	197	10	0	0	305	12	0
41	1957	51	3645	0	197	11	0	0	305	13	0
41	2000	51	3720	0	197	12	0	0	305	14	0
41	2043	51	3773	0	197	13	0	0	305	15	0
41	2086	51	4046	0	197	14	0	0	305	16	0
41	2129	51	4121	0	197	15	0	0	305	17	0
41	2172	51	4174	0	197	16	0	0	305	20	0
41	2215	51	4247	0	197	17	0	0	305	21	0
41	2258	51	4322	0	197	18	0	0	305	22	0
41	2301	51	4375	0	197	19	0	0	305	23	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
41	2344	51	4450	0	198	0	0	0	306	0	0
41	2387	51	4523	0	198	1	0	0	306	1	0
41	2430	51	4576	0	198	2	0	0	306	2	0
41	2473	51	4651	0	198	3	0	0	306	3	0
41	2516	51	4724	0	198	4	0	0	306	4	0
41	2559	51	4777	0	198	5	0	0	306	5	0
41	2602	51	5052	0	198	6	0	0	306	6	0
41	2645	51	5125	0	198	7	0	0	306	7	0
41	2688	51	5200	0	198	8	0	0	306	10	0
41	2731	51	5253	0	198	9	0	0	306	11	0
41	2774	51	5326	0	198	10	0	0	306	12	0
41	2817	51	5401	0	198	11	0	0	306	13	0
41	2860	51	5454	0	198	12	0	0	306	14	0
41	2903	51	5527	0	198	13	0	0	306	15	0
41	2946	51	5602	0	198	14	0	0	306	16	0
41	2989	51	5655	0	198	15	0	0	306	17	0
41	3032	51	5730	0	198	16	0	0	306	20	0
41	3075	51	6003	0	198	17	0	0	306	21	0
41	3118	51	6056	0	198	18	0	0	306	22	0
41	3161	51	6131	0	198	19	0	0	306	23	0
41	3204	51	6204	0	199	0	0	0	307	0	0
41	3247	51	6257	0	199	1	0	0	307	1	0
41	3290	51	6332	0	199	2	0	0	307	2	0
41	3333	51	6405	0	199	3	0	0	307	3	0
41	3376	51	6460	0	199	4	0	0	307	4	0
41	3419	51	6533	0	199	5	0	0	307	5	0
41	3462	51	6606	0	199	6	0	0	307	6	0
41	3505	51	6661	0	199	7	0	0	307	7	0
41	3548	51	6734	0	199	8	0	0	307	10	0
41	3591	51	7007	0	199	9	0	0	307	11	0
41	3634	51	7062	0	199	10	0	0	307	12	0
41	3677	51	7135	0	199	11	0	0	307	13	0
41	3720	51	7210	0	199	12	0	0	307	14	0
41	3763	51	7263	0	199	13	0	0	307	15	0
41	3806	51	7336	0	199	14	0	0	307	16	0
41	3849	51	7411	0	199	15	0	0	307	17	0
41	3892	51	7464	0	199	16	0	0	307	20	0
41	3935	51	7537	0	199	17	0	0	307	21	0
41	3978	51	7612	0	199	18	0	0	307	22	0
41	4021	51	7665	0	199	19	0	0	307	23	0
41	4064	51	7740	0	200	0	0	0	310	0	0
42	11	52	13	0	200	1	0	0	310	1	0
42	54	52	66	0	200	2	0	0	310	2	0
42	97	52	141	0	200	3	0	0	310	3	0
42	140	52	214	0	200	4	0	0	310	4	0
42	183	52	267	0	200	5	0	0	310	5	0
42	226	52	342	0	200	6	0	0	310	6	0
42	269	52	415	0	200	7	0	0	310	7	0
42	312	52	470	0	200	8	0	0	310	10	0
42	355	52	543	0	200	9	0	0	310	11	0
42	398	52	616	0	200	10	0	0	310	12	0
42	441	52	671	0	200	11	0	0	310	13	0
42	484	52	744	0	200	12	0	0	310	14	0
42	527	52	1017	0	200	13	0	0	310	15	0
42	570	52	1072	0	200	14	0	0	310	16	0
42	613	52	1145	0	200	15	0	0	310	17	0
42	656	52	1220	0	200	16	0	0	310	20	0
42	699	52	1273	0	200	17	0	0	310	21	0
42	742	52	1346	0	200	18	0	0	310	22	0
42	785	52	1421	0	200	19	0	0	310	23	0
42	828	52	1474	0	201	0	0	0	311	0	0
42	871	52	1547	0	201	1	0	0	311	1	0
42	914	52	1622	0	201	2	0	0	311	2	0
42	957	52	1675	0	201	3	0	0	311	3	0
42	1000	52	1750	0	201	4	0	0	311	4	0
42	1043	52	2023	0	201	5	0	0	311	5	0
42	1086	52	2076	0	201	6	0	0	311	6	0
42	1129	52	2151	0	201	7	0	0	311	7	0
42	1172	52	2224	0	201	8	0	0	311	10	0
42	1215	52	2277	0	201	9	0	0	311	11	0
42	1258	52	2352	0	201	10	0	0	311	12	0
42	1301	52	2425	0	201	11	0	0	311	13	0
42	1344	52	2500	0	201	12	0	0	311	14	0
42	1387	52	2553	0	201	13	0	0	311	15	0
42	1430	52	2626	0	201	14	0	0	311	16	0
42	1473	52	2701	0	201	15	0	0	311	17	0
42	1516	52	2754	0	201	16	0	0	311	20	0
42	1559	52	3027	0	201	17	0	0	311	21	0
42	1602	52	3102	0	201	18	0	0	311	22	0
42	1645	52	3155	0	201	19	0	0	311	23	0
42	1688	52	3230	0	202	0	0	0	312	0	0
42	1731	52	3303	0	202	1	0	0	312	1	0
42	1774	52	3356	0	202	2	0	0	312	2	0
42	1817	52	3431	0	202	3	0	0	312	3	0
42	1860	52	3504	0	202	4	0	0	312	4	0
42	1903	52	3557	0	202	5	0	0	312	5	0
42	1946	52	3632	0	202	6	0	0	312	6	0
42	1989	52	3705	0	202	7	0	0	312	7	0
42	2032	52	3760	0	202	8	0	0	312	10	0
42	2075	52	4033	0	202	9	0	0	312	11	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
42	2118	52	4106	0	202	10	0	0	312	12	0
42	2161	52	4161	0	202	11	0	0	312	13	0
42	2204	52	4234	0	202	12	0	0	312	14	0
42	2247	52	4307	0	202	13	0	0	312	15	0
42	2290	52	4362	0	202	14	0	0	312	16	0
42	2333	52	4435	0	202	15	0	0	312	17	0
42	2376	52	4510	0	202	16	0	0	312	20	0
42	2419	52	4563	0	202	17	0	0	312	21	0
42	2462	52	4636	0	202	18	0	0	312	22	0
42	2505	52	4711	0	202	19	0	0	312	23	0
42	2548	52	4764	0	203	0	0	0	313	0	0
42	2591	52	5037	0	203	1	0	0	313	1	0
42	2634	52	5112	0	203	2	0	0	313	2	0
42	2677	52	5165	0	203	3	0	0	313	3	0
42	2720	52	5240	0	203	4	0	0	313	4	0
42	2763	52	5313	0	203	5	0	0	313	5	0
42	2806	52	5366	0	203	6	0	0	313	6	0
42	2849	52	5441	0	203	7	0	0	313	7	0
42	2892	52	5514	0	203	8	0	0	313	10	0
42	2935	52	5567	0	203	9	0	0	313	11	0
42	2978	52	5642	0	203	10	0	0	313	12	0
42	3021	52	5715	0	203	11	0	0	313	13	0
42	3064	52	5770	0	203	12	0	0	313	14	0
42	3107	52	6043	0	203	13	0	0	313	15	0
42	3150	52	6116	0	203	14	0	0	313	16	0
42	3193	52	6171	0	203	15	0	0	313	17	0
42	3236	52	6244	0	203	16	0	0	313	20	0
42	3279	52	6317	0	203	17	0	0	313	21	0
42	3322	52	6372	0	203	18	0	0	313	22	0
42	3365	52	6445	0	203	19	0	0	313	23	0
42	3408	52	6520	0	204	0	0	0	314	0	0
42	3451	52	6573	0	204	1	0	0	314	1	0
42	3494	52	6646	0	204	2	0	0	314	2	0
42	3537	52	6721	0	204	3	0	0	314	3	0
42	3580	52	6774	0	204	4	0	0	314	4	0
42	3623	52	7047	0	204	5	0	0	314	5	0
42	3666	52	7122	0	204	6	0	0	314	6	0
42	3709	52	7175	0	204	7	0	0	314	7	0
42	3752	52	7250	0	204	8	0	0	314	10	0
42	3795	52	7323	0	204	9	0	0	314	11	0
42	3838	52	7376	0	204	10	0	0	314	12	0
42	3881	52	7451	0	204	11	0	0	314	13	0
42	3924	52	7524	0	204	12	0	0	314	14	0
42	3967	52	7577	0	204	13	0	0	314	15	0
42	4010	52	7652	0	204	14	0	0	314	16	0
42	4053	52	7725	0	204	15	0	0	314	17	0
43	0	53	0	0	204	16	0	0	314	20	0
43	43	53	53	0	204	17	0	0	314	21	0
43	86	53	126	0	204	18	0	0	314	22	0
43	129	53	201	0	204	19	0	0	314	23	0
43	172	53	254	0	205	0	0	0	315	0	0
43	215	53	327	0	205	1	0	0	315	1	0
43	258	53	402	0	205	2	0	0	315	2	0
43	301	53	455	0	205	3	0	0	315	3	0
43	344	53	530	0	205	4	0	0	315	4	0
43	387	53	603	0	205	5	0	0	315	5	0
43	430	53	656	0	205	6	0	0	315	6	0
43	473	53	731	0	205	7	0	0	315	7	0
43	516	53	1004	0	205	8	0	0	315	10	0
43	559	53	1057	0	205	9	0	0	315	11	0
43	602	53	1132	0	205	10	0	0	315	12	0
43	645	53	1205	0	205	11	0	0	315	13	0
43	688	53	1260	0	205	12	0	0	315	14	0
43	731	53	1333	0	205	13	0	0	315	15	0
43	774	53	1406	0	205	14	0	0	315	16	0
43	817	53	1461	0	205	15	0	0	315	17	0
43	860	53	1534	0	205	16	0	0	315	20	0
43	903	53	1607	0	205	17	0	0	315	21	0
43	946	53	1662	0	205	18	0	0	315	22	0
43	989	53	1735	0	205	19	0	0	315	23	0
43	1032	53	2010	0	206	0	0	0	316	0	0
43	1075	53	2063	0	206	1	0	0	316	1	0
43	1118	53	2136	0	206	2	0	0	316	2	0
43	1161	53	2211	0	206	3	0	0	316	3	0
43	1204	53	2264	0	206	4	0	0	316	4	0
43	1247	53	2337	0	206	5	0	0	316	5	0
43	1290	53	2412	0	206	6	0	0	316	6	0
43	1333	53	2465	0	206	7	0	0	316	7	0
43	1376	53	2540	0	206	8	0	0	316	10	0
43	1419	53	2613	0	206	9	0	0	316	11	0
43	1462	53	2666	0	206	10	0	0	316	12	0
43	1505	53	2741	0	206	11	0	0	316	13	0
43	1548	53	3014	0	206	12	0	0	316	14	0
43	1591	53	3067	0	206	13	0	0	316	15	0
43	1634	53	3142	0	206	14	0	0	316	16	0
43	1677	53	3215	0	206	15	0	0	316	17	0
43	1720	53	3270	0	206	16	0	0	316	20	0
43	1763	53	3343	0	206	17	0	0	316	21	0
43	1806	53	3416	0	206	18	0	0	316	22	0
43	1849	53	3471	0	206	19	0	0	316	23	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
43	1892	53	3544	0	207	0	0	0	317	0	0
43	1935	53	3617	0	207	1	0	0	317	1	0
43	1978	53	3672	0	207	2	0	0	317	2	0
43	2021	53	3745	0	207	3	0	0	317	3	0
43	2064	53	4020	0	207	4	0	0	317	4	0
43	2107	53	4073	0	207	5	0	0	317	5	0
43	2150	53	4146	0	207	6	0	0	317	6	0
43	2193	53	4221	0	207	7	0	0	317	7	0
43	2236	53	4274	0	207	8	0	0	317	10	0
43	2279	53	4347	0	207	9	0	0	317	11	0
43	2322	53	4422	0	207	10	0	0	317	12	0
43	2365	53	4475	0	207	11	0	0	317	13	0
43	2408	53	4550	0	207	12	0	0	317	14	0
43	2451	53	4623	0	207	13	0	0	317	15	0
43	2494	53	4676	0	207	14	0	0	317	16	0
43	2537	53	4751	0	207	15	0	0	317	17	0
43	2580	53	5024	0	207	16	0	0	317	20	0
43	2623	53	5077	0	207	17	0	0	317	21	0
43	2666	53	5152	0	207	18	0	0	317	22	0
43	2709	53	5225	0	207	19	0	0	317	23	0
43	2752	53	5300	0	208	0	0	0	320	0	0
43	2795	53	5353	0	208	1	0	0	320	1	0
43	2838	53	5426	0	208	2	0	0	320	2	0
43	2881	53	5501	0	208	3	0	0	320	3	0
43	2924	53	5554	0	208	4	0	0	320	4	0
43	2967	53	5627	0	208	5	0	0	320	5	0
43	3010	53	5702	0	208	6	0	0	320	6	0
43	3053	53	5755	0	208	7	0	0	320	7	0
43	3096	53	6030	0	208	8	0	0	320	10	0
43	3139	53	6103	0	208	9	0	0	320	11	0
43	3182	53	6156	0	208	10	0	0	320	12	0
43	3225	53	6231	0	208	11	0	0	320	13	0
43	3268	53	6304	0	208	12	0	0	320	14	0
43	3311	53	6357	0	208	13	0	0	320	15	0
43	3354	53	6432	0	208	14	0	0	320	16	0
43	3397	53	6505	0	208	15	0	0	320	17	0
43	3440	53	6560	0	208	16	0	0	320	20	0
43	3483	53	6633	0	208	17	0	0	320	21	0
43	3526	53	6706	0	208	18	0	0	320	22	0
43	3569	53	6761	0	208	19	0	0	320	23	0
43	3612	53	7034	0	209	0	0	0	321	0	0
43	3655	53	7107	0	209	1	0	0	321	1	0
43	3698	53	7162	0	209	2	0	0	321	2	0
43	3741	53	7235	0	209	3	0	0	321	3	0
43	3784	53	7310	0	209	4	0	0	321	4	0
43	3827	53	7363	0	209	5	0	0	321	5	0
43	3870	53	7436	0	209	6	0	0	321	6	0
43	3913	53	7511	0	209	7	0	0	321	7	0
43	3956	53	7564	0	209	8	0	0	321	10	0
43	3999	53	7637	0	209	9	0	0	321	11	0
43	4042	53	7712	0	209	10	0	0	321	12	0
43	4085	53	7765	0	209	11	0	0	321	13	0
44	32	54	40	0	209	12	0	0	321	14	0
44	75	54	113	0	209	13	0	0	321	15	0
44	118	54	166	0	209	14	0	0	321	16	0
44	161	54	241	0	209	15	0	0	321	17	0
44	204	54	314	0	209	16	0	0	321	20	0
44	247	54	367	0	209	17	0	0	321	21	0
44	290	54	442	0	209	18	0	0	321	22	0
44	333	54	515	0	209	19	0	0	321	23	0
44	376	54	570	0	210	0	0	0	322	0	0
44	419	54	643	0	210	1	0	0	322	1	0
44	462	54	716	0	210	2	0	0	322	2	0
44	505	54	771	0	210	3	0	0	322	3	0
44	548	54	1044	0	210	4	0	0	322	4	0
44	591	54	1117	0	210	5	0	0	322	5	0
44	634	54	1172	0	210	6	0	0	322	6	0
44	677	54	1245	0	210	7	0	0	322	7	0
44	720	54	1320	0	210	8	0	0	322	10	0
44	763	54	1373	0	210	9	0	0	322	11	0
44	806	54	1446	0	210	10	0	0	322	12	0
44	849	54	1521	0	210	11	0	0	322	13	0
44	892	54	1574	0	210	12	0	0	322	14	0
44	935	54	1647	0	210	13	0	0	322	15	0
44	978	54	1722	0	210	14	0	0	322	16	0
44	1021	54	1775	0	210	15	0	0	322	17	0
44	1064	54	2050	0	210	16	0	0	322	20	0
44	1107	54	2123	0	210	17	0	0	322	21	0
44	1150	54	2176	0	210	18	0	0	322	22	0
44	1193	54	2251	0	210	19	0	0	322	23	0
44	1236	54	2324	0	211	0	0	0	323	0	0
44	1279	54	2377	0	211	1	0	0	323	1	0
44	1322	54	2452	0	211	2	0	0	323	2	0
44	1365	54	2525	0	211	3	0	0	323	3	0
44	1408	54	2600	0	211	4	0	0	323	4	0
44	1451	54	2653	0	211	5	0	0	323	5	0
44	1494	54	2726	0	211	6	0	0	323	6	0
44	1537	54	3001	0	211	7	0	0	323	7	0
44	1580	54	3054	0	211	8	0	0	323	10	0
44	1623	54	3127	0	211	9	0	0	323	11	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
44	1666	54	3202	0	211	10	0	0	323	12	0
44	1709	54	3255	0	211	11	0	0	323	13	0
44	1752	54	3330	0	211	12	0	0	323	14	0
44	1795	54	3403	0	211	13	0	0	323	15	0
44	1838	54	3456	0	211	14	0	0	323	16	0
44	1881	54	3531	0	211	15	0	0	323	17	0
44	1924	54	3604	0	211	16	0	0	323	20	0
44	1967	54	3657	0	211	17	0	0	323	21	0
44	2010	54	3732	0	211	18	0	0	323	22	0
44	2053	54	4005	0	211	19	0	0	323	23	0
44	2096	54	4060	0	212	0	0	0	324	0	0
44	2139	54	4133	0	212	1	0	0	324	1	0
44	2182	54	4206	0	212	2	0	0	324	2	0
44	2225	54	4261	0	212	3	0	0	324	3	0
44	2268	54	4334	0	212	4	0	0	324	4	0
44	2311	54	4407	0	212	5	0	0	324	5	0
44	2354	54	4462	0	212	6	0	0	324	6	0
44	2397	54	4535	0	212	7	0	0	324	7	0
44	2440	54	4610	0	212	8	0	0	324	10	0
44	2483	54	4663	0	212	9	0	0	324	11	0
44	2526	54	4736	0	212	10	0	0	324	12	0
44	2569	54	5011	0	212	11	0	0	324	13	0
44	2612	54	5064	0	212	12	0	0	324	14	0
44	2655	54	5137	0	212	13	0	0	324	15	0
44	2698	54	5212	0	212	14	0	0	324	16	0
44	2741	54	5265	0	212	15	0	0	324	17	0
44	2784	54	5340	0	212	16	0	0	324	20	0
44	2827	54	5413	0	212	17	0	0	324	21	0
44	2870	54	5466	0	212	18	0	0	324	22	0
44	2913	54	5541	0	212	19	0	0	324	23	0
44	2956	54	5614	0	213	0	0	0	325	0	0
44	2999	54	5667	0	213	1	0	0	325	1	0
44	3042	54	5742	0	213	2	0	0	325	2	0
44	3085	54	6015	0	213	3	0	0	325	3	0
44	3128	54	6070	0	213	4	0	0	325	4	0
44	3171	54	6143	0	213	5	0	0	325	5	0
44	3214	54	6216	0	213	6	0	0	325	6	0
44	3257	54	6271	0	213	7	0	0	325	7	0
44	3300	54	6344	0	213	8	0	0	325	10	0
44	3343	54	6417	0	213	9	0	0	325	11	0
44	3386	54	6472	0	213	10	0	0	325	12	0
44	3429	54	6545	0	213	11	0	0	325	13	0
44	3472	54	6620	0	213	12	0	0	325	14	0
44	3515	54	6673	0	213	13	0	0	325	15	0
44	3558	54	6746	0	213	14	0	0	325	16	0
44	3601	54	7021	0	213	15	0	0	325	17	0
44	3644	54	7074	0	213	16	0	0	325	20	0
44	3687	54	7147	0	213	17	0	0	325	21	0
44	3730	54	7222	0	213	18	0	0	325	22	0
44	3773	54	7275	0	213	19	0	0	325	23	0
44	3816	54	7350	0	214	0	0	0	326	0	0
44	3859	54	7423	0	214	1	0	0	326	1	0
44	3902	54	7476	0	214	2	0	0	326	2	0
44	3945	54	7551	0	214	3	0	0	326	3	0
44	3988	54	7624	0	214	4	0	0	326	4	0
44	4031	54	7677	0	214	5	0	0	326	5	0
44	4074	54	7752	0	214	6	0	0	326	6	0
45	21	55	25	0	214	7	0	0	326	7	0
45	64	55	100	0	214	8	0	0	326	10	0
45	107	55	153	0	214	9	0	0	326	11	0
45	150	55	226	0	214	10	0	0	326	12	0
45	193	55	301	0	214	11	0	0	326	13	0
45	236	55	354	0	214	12	0	0	326	14	0
45	279	55	427	0	214	13	0	0	326	15	0
45	322	55	502	0	214	14	0	0	326	16	0
45	365	55	555	0	214	15	0	0	326	17	0
45	408	55	630	0	214	16	0	0	326	20	0
45	451	55	703	0	214	17	0	0	326	21	0
45	494	55	756	0	214	18	0	0	326	22	0
45	537	55	1031	0	214	19	0	0	326	23	0
45	580	55	1104	0	215	0	0	0	327	0	0
45	623	55	1157	0	215	1	0	0	327	1	0
45	666	55	1232	0	215	2	0	0	327	2	0
45	709	55	1305	0	215	3	0	0	327	3	0
45	752	55	1360	0	215	4	0	0	327	4	0
45	795	55	1433	0	215	5	0	0	327	5	0
45	838	55	1506	0	215	6	0	0	327	6	0
45	881	55	1561	0	215	7	0	0	327	7	0
45	924	55	1634	0	215	8	0	0	327	10	0
45	967	55	1707	0	215	9	0	0	327	11	0
45	1010	55	1762	0	215	10	0	0	327	12	0
45	1053	55	2035	0	215	11	0	0	327	13	0
45	1096	55	2110	0	215	12	0	0	327	14	0
45	1139	55	2163	0	215	13	0	0	327	15	0
45	1182	55	2236	0	215	14	0	0	327	16	0
45	1225	55	2311	0	215	15	0	0	327	17	0
45	1268	55	2364	0	215	16	0	0	327	20	0
45	1311	55	2437	0	215	17	0	0	327	21	0
45	1354	55	2512	0	215	18	0	0	327	22	0
45	1397	55	2565	0	215	19	0	0	327	23	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
45	1440	55	2640	0	216	0	0	0	330	0	0
45	1483	55	2713	0	216	1	0	0	330	1	0
45	1526	55	2766	0	216	2	0	0	330	2	0
45	1569	55	3041	0	216	3	0	0	330	3	0
45	1612	55	3114	0	216	4	0	0	330	4	0
45	1655	55	3167	0	216	5	0	0	330	5	0
45	1698	55	3242	0	216	6	0	0	330	6	0
45	1741	55	3315	0	216	7	0	0	330	7	0
45	1784	55	3370	0	216	8	0	0	330	10	0
45	1827	55	3443	0	216	9	0	0	330	11	0
45	1870	55	3516	0	216	10	0	0	330	12	0
45	1913	55	3571	0	216	11	0	0	330	13	0
45	1956	55	3644	0	216	12	0	0	330	14	0
45	1999	55	3717	0	216	13	0	0	330	15	0
45	2042	55	3772	0	216	14	0	0	330	16	0
45	2085	55	4045	0	216	15	0	0	330	17	0
45	2128	55	4120	0	216	16	0	0	330	20	0
45	2171	55	4173	0	216	17	0	0	330	21	0
45	2214	55	4246	0	216	18	0	0	330	22	0
45	2257	55	4321	0	216	19	0	0	330	23	0
45	2300	55	4374	0	217	0	0	0	331	0	0
45	2343	55	4447	0	217	1	0	0	331	1	0
45	2386	55	4522	0	217	2	0	0	331	2	0
45	2429	55	4575	0	217	3	0	0	331	3	0
45	2472	55	4650	0	217	4	0	0	331	4	0
45	2515	55	4723	0	217	5	0	0	331	5	0
45	2558	55	4776	0	217	6	0	0	331	6	0
45	2601	55	5051	0	217	7	0	0	331	7	0
45	2644	55	5124	0	217	8	0	0	331	10	0
45	2687	55	5177	0	217	9	0	0	331	11	0
45	2730	55	5252	0	217	10	0	0	331	12	0
45	2773	55	5325	0	217	11	0	0	331	13	0
45	2816	55	5400	0	217	12	0	0	331	14	0
45	2859	55	5453	0	217	13	0	0	331	15	0
45	2902	55	5526	0	217	14	0	0	331	16	0
45	2945	55	5601	0	217	15	0	0	331	17	0
45	2988	55	5654	0	217	16	0	0	331	20	0
45	3031	55	5727	0	217	17	0	0	331	21	0
45	3074	55	6002	0	217	18	0	0	331	22	0
45	3117	55	6055	0	217	19	0	0	331	23	0
45	3160	55	6130	0	218	0	0	0	332	0	0
45	3203	55	6203	0	218	1	0	0	332	1	0
45	3246	55	6256	0	218	2	0	0	332	2	0
45	3289	55	6331	0	218	3	0	0	332	3	0
45	3332	55	6404	0	218	4	0	0	332	4	0
45	3375	55	6457	0	218	5	0	0	332	5	0
45	3418	55	6532	0	218	6	0	0	332	6	0
45	3461	55	6605	0	218	7	0	0	332	7	0
45	3504	55	6660	0	218	8	0	0	332	10	0
45	3547	55	6733	0	218	9	0	0	332	11	0
45	3590	55	7006	0	218	10	0	0	332	12	0
45	3633	55	7061	0	218	11	0	0	332	13	0
45	3676	55	7134	0	218	12	0	0	332	14	0
45	3719	55	7207	0	218	13	0	0	332	15	0
45	3762	55	7262	0	218	14	0	0	332	16	0
45	3805	55	7335	0	218	15	0	0	332	17	0
45	3848	55	7410	0	218	16	0	0	332	20	0
45	3891	55	7463	0	218	17	0	0	332	21	0
45	3934	55	7536	0	218	18	0	0	332	22	0
45	3977	55	7611	0	218	19	0	0	332	23	0
45	4020	55	7664	0	219	0	0	0	333	0	0
45	4063	55	7737	0	219	1	0	0	333	1	0
46	10	56	12	0	219	2	0	0	333	2	0
46	53	56	65	0	219	3	0	0	333	3	0
46	96	56	140	0	219	4	0	0	333	4	0
46	139	56	213	0	219	5	0	0	333	5	0
46	182	56	266	0	219	6	0	0	333	6	0
46	225	56	341	0	219	7	0	0	333	7	0
46	268	56	414	0	219	8	0	0	333	10	0
46	311	56	467	0	219	9	0	0	333	11	0
46	354	56	542	0	219	10	0	0	333	12	0
46	397	56	615	0	219	11	0	0	333	13	0
46	440	56	670	0	219	12	0	0	333	14	0
46	483	56	743	0	219	13	0	0	333	15	0
46	526	56	1016	0	219	14	0	0	333	16	0
46	569	56	1071	0	219	15	0	0	333	17	0
46	612	56	1144	0	219	16	0	0	333	20	0
46	655	56	1217	0	219	17	0	0	333	21	0
46	698	56	1272	0	219	18	0	0	333	22	0
46	741	56	1345	0	219	19	0	0	333	23	0
46	784	56	1420	0	220	0	0	0	334	0	0
46	827	56	1473	0	220	1	0	0	334	1	0
46	870	56	1546	0	220	2	0	0	334	2	0
46	913	56	1621	0	220	3	0	0	334	3	0
46	956	56	1674	0	220	4	0	0	334	4	0
46	999	56	1747	0	220	5	0	0	334	5	0
46	1042	56	2022	0	220	6	0	0	334	6	0
46	1085	56	2075	0	220	7	0	0	334	7	0
46	1128	56	2150	0	220	8	0	0	334	10	0
46	1171	56	2223	0	220	9	0	0	334	11	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
46	1214	56	2276	0	220	10	0	0	334	12	0
46	1257	56	2351	0	220	11	0	0	334	13	0
46	1300	56	2424	0	220	12	0	0	334	14	0
46	1343	56	2477	0	220	13	0	0	334	15	0
46	1386	56	2552	0	220	14	0	0	334	16	0
46	1429	56	2625	0	220	15	0	0	334	17	0
46	1472	56	2700	0	220	16	0	0	334	20	0
46	1515	56	2753	0	220	17	0	0	334	21	0
46	1558	56	3026	0	220	18	0	0	334	22	0
46	1601	56	3101	0	220	19	0	0	334	23	0
46	1644	56	3154	0	221	0	0	0	335	0	0
46	1687	56	3227	0	221	1	0	0	335	1	0
46	1730	56	3302	0	221	2	0	0	335	2	0
46	1773	56	3355	0	221	3	0	0	335	3	0
46	1816	56	3430	0	221	4	0	0	335	4	0
46	1859	56	3503	0	221	5	0	0	335	5	0
46	1902	56	3556	0	221	6	0	0	335	6	0
46	1945	56	3631	0	221	7	0	0	335	7	0
46	1988	56	3704	0	221	8	0	0	335	10	0
46	2031	56	3757	0	221	9	0	0	335	11	0
46	2074	56	4032	0	221	10	0	0	335	12	0
46	2117	56	4105	0	221	11	0	0	335	13	0
46	2160	56	4160	0	221	12	0	0	335	14	0
46	2203	56	4233	0	221	13	0	0	335	15	0
46	2246	56	4306	0	221	14	0	0	335	16	0
46	2289	56	4361	0	221	15	0	0	335	17	0
46	2332	56	4434	0	221	16	0	0	335	20	0
46	2375	56	4507	0	221	17	0	0	335	21	0
46	2418	56	4562	0	221	18	0	0	335	22	0
46	2461	56	4635	0	221	19	0	0	335	23	0
46	2504	56	4710	0	222	0	0	0	336	0	0
46	2547	56	4763	0	222	1	0	0	336	1	0
46	2590	56	5036	0	222	2	0	0	336	2	0
46	2633	56	5111	0	222	3	0	0	336	3	0
46	2676	56	5164	0	222	4	0	0	336	4	0
46	2719	56	5237	0	222	5	0	0	336	5	0
46	2762	56	5312	0	222	6	0	0	336	6	0
46	2805	56	5365	0	222	7	0	0	336	7	0
46	2848	56	5440	0	222	8	0	0	336	10	0
46	2891	56	5513	0	222	9	0	0	336	11	0
46	2934	56	5566	0	222	10	0	0	336	12	0
46	2977	56	5641	0	222	11	0	0	336	13	0
46	3020	56	5714	0	222	12	0	0	336	14	0
46	3063	56	5767	0	222	13	0	0	336	15	0
46	3106	56	6042	0	222	14	0	0	336	16	0
46	3149	56	6115	0	222	15	0	0	336	17	0
46	3192	56	6170	0	222	16	0	0	336	20	0
46	3235	56	6243	0	222	17	0	0	336	21	0
46	3278	56	6316	0	222	18	0	0	336	22	0
46	3321	56	6371	0	222	19	0	0	336	23	0
46	3364	56	6444	0	223	0	0	0	337	0	0
46	3407	56	6517	0	223	1	0	0	337	1	0
46	3450	56	6572	0	223	2	0	0	337	2	0
46	3493	56	6645	0	223	3	0	0	337	3	0
46	3536	56	6720	0	223	4	0	0	337	4	0
46	3579	56	6773	0	223	5	0	0	337	5	0
46	3622	56	7046	0	223	6	0	0	337	6	0
46	3665	56	7121	0	223	7	0	0	337	7	0
46	3708	56	7174	0	223	8	0	0	337	10	0
46	3751	56	7247	0	223	9	0	0	337	11	0
46	3794	56	7322	0	223	10	0	0	337	12	0
46	3837	56	7375	0	223	11	0	0	337	13	0
46	3880	56	7450	0	223	12	0	0	337	14	0
46	3923	56	7523	0	223	13	0	0	337	15	0
46	3966	56	7576	0	223	14	0	0	337	16	0
46	4009	56	7651	0	223	15	0	0	337	17	0
46	4052	56	7724	0	223	16	0	0	337	20	0
46	4095	56	7777	0	223	17	0	0	337	21	0
47	42	57	52	0	223	18	0	0	337	22	0
47	85	57	125	0	223	19	0	0	337	23	0
47	128	57	200	0	224	0	0	0	340	0	0
47	171	57	253	0	224	1	0	0	340	1	0
47	214	57	326	0	224	2	0	0	340	2	0
47	257	57	401	0	224	3	0	0	340	3	0
47	300	57	454	0	224	4	0	0	340	4	0
47	343	57	527	0	224	5	0	0	340	5	0
47	386	57	602	0	224	6	0	0	340	6	0
47	429	57	655	0	224	7	0	0	340	7	0
47	472	57	730	0	224	8	0	0	340	10	0
47	515	57	1003	0	224	9	0	0	340	11	0
47	558	57	1056	0	224	10	0	0	340	12	0
47	601	57	1131	0	224	11	0	0	340	13	0
47	644	57	1204	0	224	12	0	0	340	14	0
47	687	57	1257	0	224	13	0	0	340	15	0
47	730	57	1332	0	224	14	0	0	340	16	0
47	773	57	1405	0	224	15	0	0	340	17	0
47	816	57	1460	0	224	16	0	0	340	20	0
47	859	57	1533	0	224	17	0	0	340	21	0
47	902	57	1606	0	224	18	0	0	340	22	0
47	945	57	1661	0	224	19	0	0	340	23	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
47	986	57	1734	0	225	0	0	0	341	0	0
47	1031	57	2007	0	225	1	0	0	341	1	0
47	1074	57	2062	0	225	2	0	0	341	2	0
47	1117	57	2135	0	225	3	0	0	341	3	0
47	1160	57	2210	0	225	4	0	0	341	4	0
47	1203	57	2263	0	225	5	0	0	341	5	0
47	1246	57	2336	0	225	6	0	0	341	6	0
47	1289	57	2411	0	225	7	0	0	341	7	0
47	1332	57	2464	0	225	8	0	0	341	10	0
47	1375	57	2537	0	225	9	0	0	341	11	0
47	1418	57	2612	0	225	10	0	0	341	12	0
47	1461	57	2665	0	225	11	0	0	341	13	0
47	1504	57	2740	0	225	12	0	0	341	14	0
47	1547	57	3013	0	225	13	0	0	341	15	0
47	1590	57	3066	0	225	14	0	0	341	16	0
47	1633	57	3141	0	225	15	0	0	341	17	0
47	1676	57	3214	0	225	16	0	0	341	20	0
47	1719	57	3267	0	225	17	0	0	341	21	0
47	1762	57	3342	0	225	18	0	0	341	22	0
47	1805	57	3415	0	225	19	0	0	341	23	0
47	1848	57	3470	0	226	0	0	0	342	0	0
47	1891	57	3543	0	226	1	0	0	342	1	0
47	1934	57	3616	0	226	2	0	0	342	2	0
47	1977	57	3671	0	226	3	0	0	342	3	0
47	2020	57	3744	0	226	4	0	0	342	4	0
47	2063	57	4017	0	226	5	0	0	342	5	0
47	2106	57	4072	0	226	6	0	0	342	6	0
47	2149	57	4145	0	226	7	0	0	342	7	0
47	2192	57	4220	0	226	8	0	0	342	10	0
47	2235	57	4273	0	226	9	0	0	342	11	0
47	2278	57	4346	0	226	10	0	0	342	12	0
47	2321	57	4421	0	226	11	0	0	342	13	0
47	2364	57	4474	0	226	12	0	0	342	14	0
47	2407	57	4547	0	226	13	0	0	342	15	0
47	2450	57	4622	0	226	14	0	0	342	16	0
47	2493	57	4675	0	226	15	0	0	342	17	0
47	2536	57	4750	0	226	16	0	0	342	20	0
47	2579	57	5023	0	226	17	0	0	342	21	0
47	2622	57	5076	0	226	18	0	0	342	22	0
47	2665	57	5151	0	226	19	0	0	342	23	0
47	2708	57	5224	0	227	0	0	0	343	0	0
47	2751	57	5277	0	227	1	0	0	343	1	0
47	2794	57	5352	0	227	2	0	0	343	2	0
47	2837	57	5425	0	227	3	0	0	343	3	0
47	2880	57	5500	0	227	4	0	0	343	4	0
47	2923	57	5553	0	227	5	0	0	343	5	0
47	2966	57	5626	0	227	6	0	0	343	6	0
47	3009	57	5701	0	227	7	0	0	343	7	0
47	3052	57	5754	0	227	8	0	0	343	10	0
47	3095	57	6027	0	227	9	0	0	343	11	0
47	3138	57	6102	0	227	10	0	0	343	12	0
47	3181	57	6155	0	227	11	0	0	343	13	0
47	3224	57	6230	0	227	12	0	0	343	14	0
47	3267	57	6303	0	227	13	0	0	343	15	0
47	3310	57	6356	0	227	14	0	0	343	16	0
47	3353	57	6431	0	227	15	0	0	343	17	0
47	3396	57	6504	0	227	16	0	0	343	20	0
47	3439	57	6557	0	227	17	0	0	343	21	0
47	3482	57	6632	0	227	18	0	0	343	22	0
47	3525	57	6705	0	227	19	0	0	343	23	0
47	3568	57	6760	0	228	0	0	0	344	0	0
47	3611	57	7033	0	228	1	0	0	344	1	0
47	3654	57	7106	0	228	2	0	0	344	2	0
47	3697	57	7161	0	228	3	0	0	344	3	0
47	3740	57	7234	0	228	4	0	0	344	4	0
47	3783	57	7307	0	228	5	0	0	344	5	0
47	3826	57	7362	0	228	6	0	0	344	6	0
47	3869	57	7435	0	228	7	0	0	344	7	0
47	3912	57	7510	0	228	8	0	0	344	10	0
47	3955	57	7563	0	228	9	0	0	344	11	0
47	3998	57	7636	0	228	10	0	0	344	12	0
47	4041	57	7711	0	228	11	0	0	344	13	0
47	4084	57	7764	0	228	12	0	0	344	14	0
48	31	60	37	0	228	13	0	0	344	15	0
48	74	60	112	0	228	14	0	0	344	16	0
48	117	60	165	0	228	15	0	0	344	17	0
48	160	60	240	0	228	16	0	0	344	20	0
48	203	60	313	0	228	17	0	0	344	21	0
48	246	60	366	0	228	18	0	0	344	22	0
48	289	60	441	0	228	19	0	0	344	23	0
48	332	60	514	0	229	0	0	0	345	0	0
48	375	60	567	0	229	1	0	0	345	1	0
48	418	60	642	0	229	2	0	0	345	2	0
48	461	60	715	0	229	3	0	0	345	3	0
48	504	60	770	0	229	4	0	0	345	4	0
48	547	60	1043	0	229	5	0	0	345	5	0
48	590	60	1116	0	229	6	0	0	345	6	0
48	633	60	1171	0	229	7	0	0	345	7	0
48	676	60	1244	0	229	8	0	0	345	10	0
48	719	60	1317	0	229	9	0	0	345	11	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
48	762	60	1372	0	229	10	0	0	345	12	0
48	805	60	1445	0	229	11	0	0	345	13	0
48	848	60	1520	0	229	12	0	0	345	14	0
48	891	60	1573	0	229	13	0	0	345	15	0
48	934	60	1646	0	229	14	0	0	345	16	0
48	977	60	1721	0	229	15	0	0	345	17	0
48	1020	60	1774	0	229	16	0	0	345	20	0
48	1063	60	2047	0	229	17	0	0	345	21	0
48	1106	60	2122	0	229	18	0	0	345	22	0
48	1149	60	2175	0	229	19	0	0	345	23	0
48	1192	60	2250	0	230	0	0	0	346	0	0
48	1235	60	2323	0	230	1	0	0	346	1	0
48	1278	60	2376	0	230	2	0	0	346	2	0
48	1321	60	2451	0	230	3	0	0	346	3	0
48	1364	60	2524	0	230	4	0	0	346	4	0
48	1407	60	2577	0	230	5	0	0	346	5	0
48	1450	60	2652	0	230	6	0	0	346	6	0
48	1493	60	2725	0	230	7	0	0	346	7	0
48	1536	60	3000	0	230	8	0	0	346	10	0
48	1579	60	3053	0	230	9	0	0	346	11	0
48	1622	60	3126	0	230	10	0	0	346	12	0
48	1665	60	3201	0	230	11	0	0	346	13	0
48	1708	60	3254	0	230	12	0	0	346	14	0
48	1751	60	3327	0	230	13	0	0	346	15	0
48	1794	60	3402	0	230	14	0	0	346	16	0
48	1837	60	3455	0	230	15	0	0	346	17	0
48	1880	60	3530	0	230	16	0	0	346	20	0
48	1923	60	3603	0	230	17	0	0	346	21	0
48	1966	60	3656	0	230	18	0	0	346	22	0
48	2009	60	3731	0	230	19	0	0	346	23	0
48	2052	60	4004	0	231	0	0	0	347	0	0
48	2095	60	4057	0	231	1	0	0	347	1	0
48	2138	60	4132	0	231	2	0	0	347	2	0
48	2181	60	4205	0	231	3	0	0	347	3	0
48	2224	60	4260	0	231	4	0	0	347	4	0
48	2267	60	4333	0	231	5	0	0	347	5	0
48	2310	60	4406	0	231	6	0	0	347	6	0
48	2353	60	4461	0	231	7	0	0	347	7	0
48	2396	60	4534	0	231	8	0	0	347	10	0
48	2439	60	4607	0	231	9	0	0	347	11	0
48	2482	60	4662	0	231	10	0	0	347	12	0
48	2525	60	4735	0	231	11	0	0	347	13	0
48	2568	60	5010	0	231	12	0	0	347	14	0
48	2611	60	5063	0	231	13	0	0	347	15	0
48	2654	60	5136	0	231	14	0	0	347	16	0
48	2697	60	5211	0	231	15	0	0	347	17	0
48	2740	60	5264	0	231	16	0	0	347	20	0
48	2783	60	5337	0	231	17	0	0	347	21	0
48	2826	60	5412	0	231	18	0	0	347	22	0
48	2869	60	5465	0	231	19	0	0	347	23	0
48	2912	60	5540	0	232	0	0	0	350	0	0
48	2955	60	5613	0	232	1	0	0	350	1	0
48	2998	60	5666	0	232	2	0	0	350	2	0
48	3041	60	5741	0	232	3	0	0	350	3	0
48	3084	60	6014	0	232	4	0	0	350	4	0
48	3127	60	6067	0	232	5	0	0	350	5	0
48	3170	60	6142	0	232	6	0	0	350	6	0
48	3213	60	6215	0	232	7	0	0	350	7	0
48	3256	60	6270	0	232	8	0	0	350	10	0
48	3299	60	6343	0	232	9	0	0	350	11	0
48	3342	60	6416	0	232	10	0	0	350	12	0
48	3385	60	6471	0	232	11	0	0	350	13	0
48	3428	60	6544	0	232	12	0	0	350	14	0
48	3471	60	6617	0	232	13	0	0	350	15	0
48	3514	60	6672	0	232	14	0	0	350	16	0
48	3557	60	6745	0	232	15	0	0	350	17	0
48	3600	60	7020	0	232	16	0	0	350	20	0
48	3643	60	7073	0	232	17	0	0	350	21	0
48	3686	60	7146	0	232	18	0	0	350	22	0
48	3729	60	7221	0	232	19	0	0	350	23	0
48	3772	60	7274	0	233	0	0	0	351	0	0
48	3815	60	7347	0	233	1	0	0	351	1	0
48	3858	60	7422	0	233	2	0	0	351	2	0
48	3901	60	7475	0	233	3	0	0	351	3	0
48	3944	60	7550	0	233	4	0	0	351	4	0
48	3987	60	7623	0	233	5	0	0	351	5	0
48	4030	60	7676	0	233	6	0	0	351	6	0
48	4073	60	7751	0	233	7	0	0	351	7	0
49	20	61	24	0	233	8	0	0	351	10	0
49	63	61	77	0	233	9	0	0	351	11	0
49	106	61	152	0	233	10	0	0	351	12	0
49	149	61	225	0	233	11	0	0	351	13	0
49	192	61	300	0	233	12	0	0	351	14	0
49	235	61	353	0	233	13	0	0	351	15	0
49	278	61	426	0	233	14	0	0	351	16	0
49	321	61	501	0	233	15	0	0	351	17	0
49	364	61	554	0	233	16	0	0	351	20	0
49	407	61	627	0	233	17	0	0	351	21	0
49	450	61	702	0	233	18	0	0	351	22	0
49	493	61	755	0	233	19	0	0	351	23	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
49	536	61	1030	0	234	0	0	0	352	0	0
49	579	61	1103	0	234	1	0	0	352	1	0
49	622	61	1156	0	234	2	0	0	352	2	0
49	665	61	1231	0	234	3	0	0	352	3	0
49	708	61	1304	0	234	4	0	0	352	4	0
49	751	61	1357	0	234	5	0	0	352	5	0
49	794	61	1432	0	234	6	0	0	352	6	0
49	837	61	1505	0	234	7	0	0	352	7	0
49	880	61	1560	0	234	8	0	0	352	10	0
49	923	61	1633	0	234	9	0	0	352	11	0
49	966	61	1706	0	234	10	0	0	352	12	0
49	1009	61	1761	0	234	11	0	0	352	13	0
49	1052	61	2034	0	234	12	0	0	352	14	0
49	1095	61	2107	0	234	13	0	0	352	15	0
49	1138	61	2162	0	234	14	0	0	352	16	0
49	1181	61	2235	0	234	15	0	0	352	17	0
49	1224	61	2310	0	234	16	0	0	352	20	0
49	1267	61	2363	0	234	17	0	0	352	21	0
49	1310	61	2436	0	234	18	0	0	352	22	0
49	1353	61	2511	0	234	19	0	0	352	23	0
49	1396	61	2564	0	235	0	0	0	353	0	0
49	1439	61	2637	0	235	1	0	0	353	1	0
49	1482	61	2712	0	235	2	0	0	353	2	0
49	1525	61	2765	0	235	3	0	0	353	3	0
49	1568	61	3040	0	235	4	0	0	353	4	0
49	1611	61	3113	0	235	5	0	0	353	5	0
49	1654	61	3166	0	235	6	0	0	353	6	0
49	1697	61	3241	0	235	7	0	0	353	7	0
49	1740	61	3314	0	235	8	0	0	353	10	0
49	1783	61	3367	0	235	9	0	0	353	11	0
49	1826	61	3442	0	235	10	0	0	353	12	0
49	1869	61	3515	0	235	11	0	0	353	13	0
49	1912	61	3570	0	235	12	0	0	353	14	0
49	1955	61	3643	0	235	13	0	0	353	15	0
49	1998	61	3716	0	235	14	0	0	353	16	0
49	2041	61	3771	0	235	15	0	0	353	17	0
49	2084	61	4044	0	235	16	0	0	353	20	0
49	2127	61	4117	0	235	17	0	0	353	21	0
49	2170	61	4172	0	235	18	0	0	353	22	0
49	2213	61	4245	0	235	19	0	0	353	23	0
49	2256	61	4320	0	236	0	0	0	354	0	0
49	2299	61	4373	0	236	1	0	0	354	1	0
49	2342	61	4446	0	236	2	0	0	354	2	0
49	2385	61	4521	0	236	3	0	0	354	3	0
49	2428	61	4574	0	236	4	0	0	354	4	0
49	2471	61	4647	0	236	5	0	0	354	5	0
49	2514	61	4722	0	236	6	0	0	354	6	0
49	2557	61	4775	0	236	7	0	0	354	7	0
49	2600	61	5050	0	236	8	0	0	354	10	0
49	2643	61	5123	0	236	9	0	0	354	11	0
49	2686	61	5176	0	236	10	0	0	354	12	0
49	2729	61	5251	0	236	11	0	0	354	13	0
49	2772	61	5324	0	236	12	0	0	354	14	0
49	2815	61	5377	0	236	13	0	0	354	15	0
49	2858	61	5452	0	236	14	0	0	354	16	0
49	2901	61	5525	0	236	15	0	0	354	17	0
49	2944	61	5600	0	236	16	0	0	354	20	0
49	2987	61	5653	0	236	17	0	0	354	21	0
49	3030	61	5726	0	236	18	0	0	354	22	0
49	3073	61	6001	0	236	19	0	0	354	23	0
49	3116	61	6054	0	237	0	0	0	355	0	0
49	3159	61	6127	0	237	1	0	0	355	1	0
49	3202	61	6202	0	237	2	0	0	355	2	0
49	3245	61	6255	0	237	3	0	0	355	3	0
49	3288	61	6330	0	237	4	0	0	355	4	0
49	3331	61	6403	0	237	5	0	0	355	5	0
49	3374	61	6456	0	237	6	0	0	355	6	0
49	3417	61	6531	0	237	7	0	0	355	7	0
49	3460	61	6604	0	237	8	0	0	355	10	0
49	3503	61	6657	0	237	9	0	0	355	11	0
49	3546	61	6732	0	237	10	0	0	355	12	0
49	3589	61	7005	0	237	11	0	0	355	13	0
49	3632	61	7060	0	237	12	0	0	355	14	0
49	3675	61	7133	0	237	13	0	0	355	15	0
49	3718	61	7206	0	237	14	0	0	355	16	0
49	3761	61	7261	0	237	15	0	0	355	17	0
49	3804	61	7334	0	237	16	0	0	355	20	0
49	3847	61	7407	0	237	17	0	0	355	21	0
49	3890	61	7462	0	237	18	0	0	355	22	0
49	3933	61	7535	0	237	19	0	0	355	23	0
49	3976	61	7610	0	238	0	0	0	356	0	0
49	4019	61	7663	0	238	1	0	0	356	1	0
49	4062	61	7736	0	238	2	0	0	356	2	0
50	9	62	11	0	238	3	0	0	356	3	0
50	52	62	64	0	238	4	0	0	356	4	0
50	95	62	137	0	238	5	0	0	356	5	0
50	138	62	212	0	238	6	0	0	356	6	0
50	181	62	265	0	238	7	0	0	356	7	0
50	224	62	340	0	238	8	0	0	356	10	0
50	267	62	413	0	238	9	0	0	356	11	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
50	310	62	466	0	238	10	0	0	356	12	0
50	353	62	541	0	238	11	0	0	356	13	0
50	396	62	614	0	238	12	0	0	356	14	0
50	439	62	667	0	238	13	0	0	356	15	0
50	482	62	742	0	238	14	0	0	356	16	0
50	525	62	1015	0	238	15	0	0	356	17	0
50	568	62	1070	0	238	16	0	0	356	20	0
50	611	62	1143	0	238	17	0	0	356	21	0
50	654	62	1216	0	238	18	0	0	356	22	0
50	697	62	1271	0	238	19	0	0	356	23	0
50	740	62	1344	0	239	0	0	0	357	0	0
50	783	62	1417	0	239	1	0	0	357	1	0
50	826	62	1472	0	239	2	0	0	357	2	0
50	869	62	1545	0	239	3	0	0	357	3	0
50	912	62	1620	0	239	4	0	0	357	4	0
50	955	62	1673	0	239	5	0	0	357	5	0
50	998	62	1746	0	239	6	0	0	357	6	0
50	1041	62	2021	0	239	7	0	0	357	7	0
50	1084	62	2074	0	239	8	0	0	357	10	0
50	1127	62	2147	0	239	9	0	0	357	11	0
50	1170	62	2222	0	239	10	0	0	357	12	0
50	1213	62	2275	0	239	11	0	0	357	13	0
50	1256	62	2350	0	239	12	0	0	357	14	0
50	1299	62	2423	0	239	13	0	0	357	15	0
50	1342	62	2476	0	239	14	0	0	357	16	0
50	1385	62	2551	0	239	15	0	0	357	17	0
50	1428	62	2624	0	239	16	0	0	357	20	0
50	1471	62	2677	0	239	17	0	0	357	21	0
50	1514	62	2752	0	239	18	0	0	357	22	0
50	1557	62	3025	0	239	19	0	0	357	23	0
50	1600	62	3100	0	240	0	0	0	360	0	0
50	1643	62	3153	0	240	1	0	0	360	1	0
50	1686	62	3226	0	240	2	0	0	360	2	0
50	1729	62	3301	0	240	3	0	0	360	3	0
50	1772	62	3354	0	240	4	0	0	360	4	0
50	1815	62	3427	0	240	5	0	0	360	5	0
50	1858	62	3502	0	240	6	0	0	360	6	0
50	1901	62	3555	0	240	7	0	0	360	7	0
50	1944	62	3630	0	240	8	0	0	360	10	0
50	1987	62	3703	0	240	9	0	0	360	11	0
50	2030	62	3756	0	240	10	0	0	360	12	0
50	2073	62	4031	0	240	11	0	0	360	13	0
50	2116	62	4104	0	240	12	0	0	360	14	0
50	2159	62	4157	0	240	13	0	0	360	15	0
50	2202	62	4232	0	240	14	0	0	360	16	0
50	2245	62	4305	0	240	15	0	0	360	17	0
50	2288	62	4360	0	240	16	0	0	360	20	0
50	2331	62	4433	0	240	17	0	0	360	21	0
50	2374	62	4506	0	240	18	0	0	360	22	0
50	2417	62	4561	0	240	19	0	0	360	23	0
50	2460	62	4634	0	241	0	0	0	361	0	0
50	2503	62	4707	0	241	1	0	0	361	1	0
50	2546	62	4762	0	241	2	0	0	361	2	0
50	2589	62	5035	0	241	3	0	0	361	3	0
50	2632	62	5110	0	241	4	0	0	361	4	0
50	2675	62	5163	0	241	5	0	0	361	5	0
50	2718	62	5236	0	241	6	0	0	361	6	0
50	2761	62	5311	0	241	7	0	0	361	7	0
50	2804	62	5364	0	241	8	0	0	361	10	0
50	2847	62	5437	0	241	9	0	0	361	11	0
50	2890	62	5512	0	241	10	0	0	361	12	0
50	2933	62	5565	0	241	11	0	0	361	13	0
50	2976	62	5640	0	241	12	0	0	361	14	0
50	3019	62	5713	0	241	13	0	0	361	15	0
50	3062	62	5766	0	241	14	0	0	361	16	0
50	3105	62	6041	0	241	15	0	0	361	17	0
50	3148	62	6114	0	241	16	0	0	361	20	0
50	3191	62	6167	0	241	17	0	0	361	21	0
50	3234	62	6242	0	241	18	0	0	361	22	0
50	3277	62	6315	0	241	19	0	0	361	23	0
50	3320	62	6370	0	242	0	0	0	362	0	0
50	3363	62	6443	0	242	1	0	0	362	1	0
50	3406	62	6516	0	242	2	0	0	362	2	0
50	3449	62	6571	0	242	3	0	0	362	3	0
50	3492	62	6644	0	242	4	0	0	362	4	0
50	3535	62	6717	0	242	5	0	0	362	5	0
50	3578	62	6772	0	242	6	0	0	362	6	0
50	3621	62	7045	0	242	7	0	0	362	7	0
50	3664	62	7120	0	242	8	0	0	362	10	0
50	3707	62	7173	0	242	9	0	0	362	11	0
50	3750	62	7246	0	242	10	0	0	362	12	0
50	3793	62	7321	0	242	11	0	0	362	13	0
50	3836	62	7374	0	242	12	0	0	362	14	0
50	3879	62	7447	0	242	13	0	0	362	15	0
50	3922	62	7522	0	242	14	0	0	362	16	0
50	3965	62	7575	0	242	15	0	0	362	17	0
50	4008	62	7650	0	242	16	0	0	362	20	0
50	4051	62	7723	0	242	17	0	0	362	21	0
50	4094	62	7776	0	242	18	0	0	362	22	0
51	41	63	51	0	242	19	0	0	362	23	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
51	84	63	124	0	243	0	0	0	363	0	0
51	127	63	177	0	243	1	0	0	363	1	0
51	170	63	252	0	243	2	0	0	363	2	0
51	213	63	325	0	243	3	0	0	363	3	0
51	256	63	400	0	243	4	0	0	363	4	0
51	299	63	453	0	243	5	0	0	363	5	0
51	342	63	526	0	243	6	0	0	363	6	0
51	385	63	601	0	243	7	0	0	363	7	0
51	428	63	654	0	243	8	0	0	363	10	0
51	471	63	727	0	243	9	0	0	363	11	0
51	514	63	1002	0	243	10	0	0	363	12	0
51	557	63	1055	0	243	11	0	0	363	13	0
51	600	63	1130	0	243	12	0	0	363	14	0
51	643	63	1203	0	243	13	0	0	363	15	0
51	686	63	1256	0	243	14	0	0	363	16	0
51	729	63	1331	0	243	15	0	0	363	17	0
51	772	63	1404	0	243	16	0	0	363	20	0
51	815	63	1457	0	243	17	0	0	363	21	0
51	858	63	1532	0	243	18	0	0	363	22	0
51	901	63	1605	0	243	19	0	0	363	23	0
51	944	63	1660	0	244	0	0	0	364	0	0
51	987	63	1733	0	244	1	0	0	364	1	0
51	1030	63	2006	0	244	2	0	0	364	2	0
51	1073	63	2061	0	244	3	0	0	364	3	0
51	1116	63	2134	0	244	4	0	0	364	4	0
51	1159	63	2207	0	244	5	0	0	364	5	0
51	1202	63	2262	0	244	6	0	0	364	6	0
51	1245	63	2335	0	244	7	0	0	364	7	0
51	1288	63	2410	0	244	8	0	0	364	10	0
51	1331	63	2463	0	244	9	0	0	364	11	0
51	1374	63	2536	0	244	10	0	0	364	12	0
51	1417	63	2611	0	244	11	0	0	364	13	0
51	1460	63	2664	0	244	12	0	0	364	14	0
51	1503	63	2737	0	244	13	0	0	364	15	0
51	1546	63	3012	0	244	14	0	0	364	16	0
51	1589	63	3065	0	244	15	0	0	364	17	0
51	1632	63	3140	0	244	16	0	0	364	20	0
51	1675	63	3213	0	244	17	0	0	364	21	0
51	1718	63	3266	0	244	18	0	0	364	22	0
51	1761	63	3341	0	244	19	0	0	364	23	0
51	1804	63	3414	0	245	0	0	0	365	0	0
51	1847	63	3467	0	245	1	0	0	365	1	0
51	1890	63	3542	0	245	2	0	0	365	2	0
51	1933	63	3615	0	245	3	0	0	365	3	0
51	1976	63	3670	0	245	4	0	0	365	4	0
51	2019	63	3743	0	245	5	0	0	365	5	0
51	2062	63	4016	0	245	6	0	0	365	6	0
51	2105	63	4071	0	245	7	0	0	365	7	0
51	2148	63	4144	0	245	8	0	0	365	10	0
51	2191	63	4217	0	245	9	0	0	365	11	0
51	2234	63	4272	0	245	10	0	0	365	12	0
51	2277	63	4345	0	245	11	0	0	365	13	0
51	2320	63	4420	0	245	12	0	0	365	14	0
51	2363	63	4473	0	245	13	0	0	365	15	0
51	2406	63	4546	0	245	14	0	0	365	16	0
51	2449	63	4621	0	245	15	0	0	365	17	0
51	2492	63	4674	0	245	16	0	0	365	20	0
51	2535	63	4747	0	245	17	0	0	365	21	0
51	2578	63	5022	0	245	18	0	0	365	22	0
51	2621	63	5075	0	245	19	0	0	365	23	0
51	2664	63	5150	0	246	0	0	0	366	0	0
51	2707	63	5223	0	246	1	0	0	366	1	0
51	2750	63	5276	0	246	2	0	0	366	2	0
51	2793	63	5351	0	246	3	0	0	366	3	0
51	2836	63	5424	0	246	4	0	0	366	4	0
51	2879	63	5477	0	246	5	0	0	366	5	0
51	2922	63	5552	0	246	6	0	0	366	6	0
51	2965	63	5625	0	246	7	0	0	366	7	0
51	3008	63	5700	0	246	8	0	0	366	10	0
51	3051	63	5753	0	246	9	0	0	366	11	0
51	3094	63	6026	0	246	10	0	0	366	12	0
51	3137	63	6101	0	246	11	0	0	366	13	0
51	3180	63	6154	0	246	12	0	0	366	14	0
51	3223	63	6227	0	246	13	0	0	366	15	0
51	3266	63	6302	0	246	14	0	0	366	16	0
51	3309	63	6355	0	246	15	0	0	366	17	0
51	3352	63	6430	0	246	16	0	0	366	20	0
51	3395	63	6503	0	246	17	0	0	366	21	0
51	3438	63	6556	0	246	18	0	0	366	22	0
51	3481	63	6631	0	246	19	0	0	366	23	0
51	3524	63	6704	0	247	0	0	0	367	0	0
51	3567	63	6757	0	247	1	0	0	367	1	0
51	3610	63	7032	0	247	2	0	0	367	2	0
51	3653	63	7105	0	247	3	0	0	367	3	0
51	3696	63	7160	0	247	4	0	0	367	4	0
51	3739	63	7233	0	247	5	0	0	367	5	0
51	3782	63	7306	0	247	6	0	0	367	6	0
51	3825	63	7361	0	247	7	0	0	367	7	0
51	3868	63	7434	0	247	8	0	0	367	10	0
51	3911	63	7507	0	247	9	0	0	367	11	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
51	3954	63	7562	0	247	10	0	0	367	12	0
51	3997	63	7635	0	247	11	0	0	367	13	0
51	4040	63	7710	0	247	12	0	0	367	14	0
51	4083	63	7763	0	247	13	0	0	367	15	0
52	30	64	36	0	247	14	0	0	367	16	0
52	73	64	111	0	247	15	0	0	367	17	0
52	116	64	164	0	247	16	0	0	367	20	0
52	159	64	237	0	247	17	0	0	367	21	0
52	202	64	312	0	247	18	0	0	367	22	0
52	245	64	365	0	247	19	0	0	367	23	0
52	288	64	440	0	248	0	0	0	370	0	0
52	331	64	513	0	248	1	0	0	370	1	0
52	374	64	566	0	248	2	0	0	370	2	0
52	417	64	641	0	248	3	0	0	370	3	0
52	460	64	714	0	248	4	0	0	370	4	0
52	503	64	767	0	248	5	0	0	370	5	0
52	546	64	1042	0	248	6	0	0	370	6	0
52	589	64	1115	0	248	7	0	0	370	7	0
52	632	64	1170	0	248	8	0	0	370	10	0
52	675	64	1243	0	248	9	0	0	370	11	0
52	718	64	1316	0	248	10	0	0	370	12	0
52	761	64	1371	0	248	11	0	0	370	13	0
52	804	64	1444	0	248	12	0	0	370	14	0
52	847	64	1517	0	248	13	0	0	370	15	0
52	890	64	1572	0	248	14	0	0	370	16	0
52	933	64	1645	0	248	15	0	0	370	17	0
52	976	64	1720	0	248	16	0	0	370	20	0
52	1019	64	1773	0	248	17	0	0	370	21	0
52	1062	64	2046	0	248	18	0	0	370	22	0
52	1105	64	2121	0	248	19	0	0	370	23	0
52	1148	64	2174	0	249	0	0	0	371	0	0
52	1191	64	2247	0	249	1	0	0	371	1	0
52	1234	64	2322	0	249	2	0	0	371	2	0
52	1277	64	2375	0	249	3	0	0	371	3	0
52	1320	64	2450	0	249	4	0	0	371	4	0
52	1363	64	2523	0	249	5	0	0	371	5	0
52	1406	64	2576	0	249	6	0	0	371	6	0
52	1449	64	2651	0	249	7	0	0	371	7	0
52	1492	64	2724	0	249	8	0	0	371	10	0
52	1535	64	2777	0	249	9	0	0	371	11	0
52	1578	64	3052	0	249	10	0	0	371	12	0
52	1621	64	3125	0	249	11	0	0	371	13	0
52	1664	64	3200	0	249	12	0	0	371	14	0
52	1707	64	3253	0	249	13	0	0	371	15	0
52	1750	64	3326	0	249	14	0	0	371	16	0
52	1793	64	3401	0	249	15	0	0	371	17	0
52	1836	64	3454	0	249	16	0	0	371	20	0
52	1879	64	3527	0	249	17	0	0	371	21	0
52	1922	64	3602	0	249	18	0	0	371	22	0
52	1965	64	3655	0	249	19	0	0	371	23	0
52	2008	64	3730	0	250	0	0	0	372	0	0
52	2051	64	4003	0	250	1	0	0	372	1	0
52	2094	64	4056	0	250	2	0	0	372	2	0
52	2137	64	4131	0	250	3	0	0	372	3	0
52	2180	64	4204	0	250	4	0	0	372	4	0
52	2223	64	4257	0	250	5	0	0	372	5	0
52	2266	64	4332	0	250	6	0	0	372	6	0
52	2309	64	4405	0	250	7	0	0	372	7	0
52	2352	64	4460	0	250	8	0	0	372	10	0
52	2395	64	4533	0	250	9	0	0	372	11	0
52	2438	64	4606	0	250	10	0	0	372	12	0
52	2481	64	4661	0	250	11	0	0	372	13	0
52	2524	64	4734	0	250	12	0	0	372	14	0
52	2567	64	5007	0	250	13	0	0	372	15	0
52	2610	64	5062	0	250	14	0	0	372	16	0
52	2653	64	5135	0	250	15	0	0	372	17	0
52	2696	64	5210	0	250	16	0	0	372	20	0
52	2739	64	5263	0	250	17	0	0	372	21	0
52	2782	64	5336	0	250	18	0	0	372	22	0
52	2825	64	5411	0	250	19	0	0	372	23	0
52	2868	64	5464	0	251	0	0	0	373	0	0
52	2911	64	5537	0	251	1	0	0	373	1	0
52	2954	64	5612	0	251	2	0	0	373	2	0
52	2997	64	5665	0	251	3	0	0	373	3	0
52	3040	64	5740	0	251	4	0	0	373	4	0
52	3083	64	6013	0	251	5	0	0	373	5	0
52	3126	64	6066	0	251	6	0	0	373	6	0
52	3169	64	6141	0	251	7	0	0	373	7	0
52	3212	64	6214	0	251	8	0	0	373	10	0
52	3255	64	6267	0	251	9	0	0	373	11	0
52	3298	64	6342	0	251	10	0	0	373	12	0
52	3341	64	6415	0	251	11	0	0	373	13	0
52	3384	64	6470	0	251	12	0	0	373	14	0
52	3427	64	6543	0	251	13	0	0	373	15	0
52	3470	64	6616	0	251	14	0	0	373	16	0
52	3513	64	6671	0	251	15	0	0	373	17	0
52	3556	64	6744	0	251	16	0	0	373	20	0
52	3599	64	7017	0	251	17	0	0	373	21	0
52	3642	64	7072	0	251	18	0	0	373	22	0
52	3685	64	7145	0	251	19	0	0	373	23	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
52	3728	64	7220	0	252	0	0	0	374	0	0
52	3771	64	7273	0	252	1	0	0	374	1	0
52	3814	64	7346	0	252	2	0	0	374	2	0
52	3857	64	7421	0	252	3	0	0	374	3	0
52	3900	64	7474	0	252	4	0	0	374	4	0
52	3943	64	7547	0	252	5	0	0	374	5	0
52	3986	64	7622	0	252	6	0	0	374	6	0
52	4029	64	7675	0	252	7	0	0	374	7	0
52	4072	64	7750	0	252	8	0	0	374	10	0
53	19	65	23	0	252	9	0	0	374	11	0
53	62	65	76	0	252	10	0	0	374	12	0
53	105	65	151	0	252	11	0	0	374	13	0
53	148	65	224	0	252	12	0	0	374	14	0
53	191	65	277	0	252	13	0	0	374	15	0
53	234	65	352	0	252	14	0	0	374	16	0
53	277	65	425	0	252	15	0	0	374	17	0
53	320	65	500	0	252	16	0	0	374	20	0
53	363	65	553	0	252	17	0	0	374	21	0
53	406	65	626	0	252	18	0	0	374	22	0
53	449	65	701	0	252	19	0	0	374	23	0
53	492	65	754	0	253	0	0	0	375	0	0
53	535	65	1027	0	253	1	0	0	375	1	0
53	578	65	1102	0	253	2	0	0	375	2	0
53	621	65	1155	0	253	3	0	0	375	3	0
53	664	65	1230	0	253	4	0	0	375	4	0
53	707	65	1303	0	253	5	0	0	375	5	0
53	750	65	1356	0	253	6	0	0	375	6	0
53	793	65	1431	0	253	7	0	0	375	7	0
53	836	65	1504	0	253	8	0	0	375	10	0
53	879	65	1557	0	253	9	0	0	375	11	0
53	922	65	1632	0	253	10	0	0	375	12	0
53	965	65	1705	0	253	11	0	0	375	13	0
53	1008	65	1760	0	253	12	0	0	375	14	0
53	1051	65	2033	0	253	13	0	0	375	15	0
53	1094	65	2106	0	253	14	0	0	375	16	0
53	1137	65	2161	0	253	15	0	0	375	17	0
53	1180	65	2234	0	253	16	0	0	375	20	0
53	1223	65	2307	0	253	17	0	0	375	21	0
53	1266	65	2362	0	253	18	0	0	375	22	0
53	1309	65	2435	0	253	19	0	0	375	23	0
53	1352	65	2510	0	254	0	0	0	376	0	0
53	1395	65	2563	0	254	1	0	0	376	1	0
53	1438	65	2636	0	254	2	0	0	376	2	0
53	1481	65	2711	0	254	3	0	0	376	3	0
53	1524	65	2764	0	254	4	0	0	376	4	0
53	1567	65	3037	0	254	5	0	0	376	5	0
53	1610	65	3112	0	254	6	0	0	376	6	0
53	1653	65	3165	0	254	7	0	0	376	7	0
53	1696	65	3240	0	254	8	0	0	376	10	0
53	1739	65	3313	0	254	9	0	0	376	11	0
53	1782	65	3366	0	254	10	0	0	376	12	0
53	1825	65	3441	0	254	11	0	0	376	13	0
53	1868	65	3514	0	254	12	0	0	376	14	0
53	1911	65	3567	0	254	13	0	0	376	15	0
53	1954	65	3642	0	254	14	0	0	376	16	0
53	1997	65	3715	0	254	15	0	0	376	17	0
53	2040	65	3770	0	254	16	0	0	376	20	0
53	2083	65	4043	0	254	17	0	0	376	21	0
53	2126	65	4116	0	254	18	0	0	376	22	0
53	2169	65	4171	0	254	19	0	0	376	23	0
53	2212	65	4244	0	255	0	0	0	377	0	0
53	2255	65	4317	0	255	1	0	0	377	1	0
53	2298	65	4372	0	255	2	0	0	377	2	0
53	2341	65	4445	0	255	3	0	0	377	3	0
53	2384	65	4520	0	255	4	0	0	377	4	0
53	2427	65	4573	0	255	5	0	0	377	5	0
53	2470	65	4646	0	255	6	0	0	377	6	0
53	2513	65	4721	0	255	7	0	0	377	7	0
53	2556	65	4774	0	255	8	0	0	377	10	0
53	2599	65	5047	0	255	9	0	0	377	11	0
53	2642	65	5122	0	255	10	0	0	377	12	0
53	2685	65	5175	0	255	11	0	0	377	13	0
53	2728	65	5250	0	255	12	0	0	377	14	0
53	2771	65	5323	0	255	13	0	0	377	15	0
53	2814	65	5376	0	255	14	0	0	377	16	0
53	2857	65	5451	0	255	15	0	0	377	17	0
53	2900	65	5524	0	255	16	0	0	377	20	0
53	2943	65	5577	0	255	17	0	0	377	21	0
53	2986	65	5652	0	255	18	0	0	377	22	0
53	3029	65	5725	0	255	19	0	0	377	23	0
53	3072	65	6000	0	256	0	0	0	400	0	0
53	3115	65	6053	0	256	1	0	0	400	1	0
53	3158	65	6126	0	256	2	0	0	400	2	0
53	3201	65	6201	0	256	3	0	0	400	3	0
53	3244	65	6254	0	256	4	0	0	400	4	0
53	3287	65	6327	0	256	5	0	0	400	5	0
53	3330	65	6402	0	256	6	0	0	400	6	0
53	3373	65	6455	0	256	7	0	0	400	7	0
53	3416	65	6530	0	256	8	0	0	400	10	0
53	3459	65	6603	0	256	9	0	0	400	11	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
53	3502	65	6656	0	256	10	0	0	400	12	0
53	3545	65	6731	0	256	11	0	0	400	13	0
53	3588	65	7004	0	256	12	0	0	400	14	0
53	3631	65	7057	0	256	13	0	0	400	15	0
53	3674	65	7132	0	256	14	0	0	400	16	0
53	3717	65	7205	0	256	15	0	0	400	17	0
53	3760	65	7260	0	256	16	0	0	400	20	0
53	3803	65	7333	0	256	17	0	0	400	21	0
53	3846	65	7406	0	256	18	0	0	400	22	0
53	3889	65	7461	0	256	19	0	0	400	23	0
53	3932	65	7534	0	257	0	0	0	401	0	0
53	3975	65	7607	0	257	1	0	0	401	1	0
53	4018	65	7662	0	257	2	0	0	401	2	0
53	4061	65	7735	0	257	3	0	0	401	3	0
54	8	66	10	0	257	4	0	0	401	4	0
54	51	66	63	0	257	5	0	0	401	5	0
54	94	66	136	0	257	6	0	0	401	6	0
54	137	66	211	0	257	7	0	0	401	7	0
54	180	66	264	0	257	8	0	0	401	10	0
54	223	66	337	0	257	9	0	0	401	11	0
54	266	66	412	0	257	10	0	0	401	12	0
54	309	66	465	0	257	11	0	0	401	13	0
54	352	66	540	0	257	12	0	0	401	14	0
54	395	66	613	0	257	13	0	0	401	15	0
54	438	66	666	0	257	14	0	0	401	16	0
54	481	66	741	0	257	15	0	0	401	17	0
54	524	66	1014	0	257	16	0	0	401	20	0
54	567	66	1067	0	257	17	0	0	401	21	0
54	610	66	1142	0	257	18	0	0	401	22	0
54	653	66	1215	0	257	19	0	0	401	23	0
54	696	66	1270	0	258	0	0	0	402	0	0
54	739	66	1343	0	258	1	0	0	402	1	0
54	782	66	1416	0	258	2	0	0	402	2	0
54	825	66	1471	0	258	3	0	0	402	3	0
54	868	66	1544	0	258	4	0	0	402	4	0
54	911	66	1617	0	258	5	0	0	402	5	0
54	954	66	1672	0	258	6	0	0	402	6	0
54	997	66	1745	0	258	7	0	0	402	7	0
54	1040	66	2020	0	258	8	0	0	402	10	0
54	1083	66	2073	0	258	9	0	0	402	11	0
54	1126	66	2146	0	258	10	0	0	402	12	0
54	1169	66	2221	0	258	11	0	0	402	13	0
54	1212	66	2274	0	258	12	0	0	402	14	0
54	1255	66	2347	0	258	13	0	0	402	15	0
54	1298	66	2422	0	258	14	0	0	402	16	0
54	1341	66	2475	0	258	15	0	0	402	17	0
54	1384	66	2550	0	258	16	0	0	402	20	0
54	1427	66	2623	0	258	17	0	0	402	21	0
54	1470	66	2676	0	258	18	0	0	402	22	0
54	1513	66	2751	0	258	19	0	0	402	23	0
54	1556	66	3024	0	259	0	0	0	403	0	0
54	1599	66	3077	0	259	1	0	0	403	1	0
54	1642	66	3152	0	259	2	0	0	403	2	0
54	1685	66	3225	0	259	3	0	0	403	3	0
54	1728	66	3300	0	259	4	0	0	403	4	0
54	1771	66	3353	0	259	5	0	0	403	5	0
54	1814	66	3426	0	259	6	0	0	403	6	0
54	1857	66	3501	0	259	7	0	0	403	7	0
54	1900	66	3554	0	259	8	0	0	403	10	0
54	1943	66	3627	0	259	9	0	0	403	11	0
54	1986	66	3702	0	259	10	0	0	403	12	0
54	2029	66	3755	0	259	11	0	0	403	13	0
54	2072	66	4030	0	259	12	0	0	403	14	0
54	2115	66	4103	0	259	13	0	0	403	15	0
54	2158	66	4156	0	259	14	0	0	403	16	0
54	2201	66	4231	0	259	15	0	0	403	17	0
54	2244	66	4304	0	259	16	0	0	403	20	0
54	2287	66	4357	0	259	17	0	0	403	21	0
54	2330	66	4432	0	259	18	0	0	403	22	0
54	2373	66	4505	0	259	19	0	0	403	23	0
54	2416	66	4560	0	260	0	0	0	404	0	0
54	2459	66	4633	0	260	1	0	0	404	1	0
54	2502	66	4706	0	260	2	0	0	404	2	0
54	2545	66	4761	0	260	3	0	0	404	3	0
54	2588	66	5034	0	260	4	0	0	404	4	0
54	2631	66	5107	0	260	5	0	0	404	5	0
54	2674	66	5162	0	260	6	0	0	404	6	0
54	2717	66	5235	0	260	7	0	0	404	7	0
54	2760	66	5310	0	260	8	0	0	404	10	0
54	2803	66	5363	0	260	9	0	0	404	11	0
54	2846	66	5436	0	260	10	0	0	404	12	0
54	2889	66	5511	0	260	11	0	0	404	13	0
54	2932	66	5564	0	260	12	0	0	404	14	0
54	2975	66	5637	0	260	13	0	0	404	15	0
54	3018	66	5712	0	260	14	0	0	404	16	0
54	3061	66	5765	0	260	15	0	0	404	17	0
54	3104	66	6040	0	260	16	0	0	404	20	0
54	3147	66	6113	0	260	17	0	0	404	21	0
54	3190	66	6166	0	260	18	0	0	404	22	0
54	3233	66	6241	0	260	19	0	0	404	23	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
54	3276	66	6314	0	261	0	0	0	405	0	0
54	3319	66	6367	0	261	1	0	0	405	1	0
54	3362	66	6442	0	261	2	0	0	405	2	0
54	3405	66	6515	0	261	3	0	0	405	3	0
54	3448	66	6570	0	261	4	0	0	405	4	0
54	3491	66	6643	0	261	5	0	0	405	5	0
54	3534	66	6716	0	261	6	0	0	405	6	0
54	3577	66	6771	0	261	7	0	0	405	7	0
54	3620	66	7044	0	261	8	0	0	405	10	0
54	3663	66	7117	0	261	9	0	0	405	11	0
54	3706	66	7172	0	261	10	0	0	405	12	0
54	3749	66	7245	0	261	11	0	0	405	13	0
54	3792	66	7320	0	261	12	0	0	405	14	0
54	3835	66	7373	0	261	13	0	0	405	15	0
54	3878	66	7446	0	261	14	0	0	405	16	0
54	3921	66	7521	0	261	15	0	0	405	17	0
54	3964	66	7574	0	261	16	0	0	405	20	0
54	4007	66	7647	0	261	17	0	0	405	21	0
54	4050	66	7722	0	261	18	0	0	405	22	0
54	4093	66	7775	0	261	19	0	0	405	23	0
55	40	67	50	0	262	0	0	0	406	0	0
55	83	67	123	0	262	1	0	0	406	1	0
55	126	67	176	0	262	2	0	0	406	2	0
55	169	67	251	0	262	3	0	0	406	3	0
55	212	67	324	0	262	4	0	0	406	4	0
55	255	67	377	0	262	5	0	0	406	5	0
55	298	67	452	0	262	6	0	0	406	6	0
55	341	67	525	0	262	7	0	0	406	7	0
55	384	67	600	0	262	8	0	0	406	10	0
55	427	67	653	0	262	9	0	0	406	11	0
55	470	67	726	0	262	10	0	0	406	12	0
55	513	67	1001	0	262	11	0	0	406	13	0
55	556	67	1054	0	262	12	0	0	406	14	0
55	599	67	1127	0	262	13	0	0	406	15	0
55	642	67	1202	0	262	14	0	0	406	16	0
55	685	67	1255	0	262	15	0	0	406	17	0
55	728	67	1330	0	262	16	0	0	406	20	0
55	771	67	1403	0	262	17	0	0	406	21	0
55	814	67	1456	0	262	18	0	0	406	22	0
55	857	67	1531	0	262	19	0	0	406	23	0
55	900	67	1604	0	263	0	0	0	407	0	0
55	943	67	1657	0	263	1	0	0	407	1	0
55	986	67	1732	0	263	2	0	0	407	2	0
55	1029	67	2005	0	263	3	0	0	407	3	0
55	1072	67	2060	0	263	4	0	0	407	4	0
55	1115	67	2133	0	263	5	0	0	407	5	0
55	1158	67	2206	0	263	6	0	0	407	6	0
55	1201	67	2261	0	263	7	0	0	407	7	0
55	1244	67	2334	0	263	8	0	0	407	10	0
55	1287	67	2407	0	263	9	0	0	407	11	0
55	1330	67	2462	0	263	10	0	0	407	12	0
55	1373	67	2535	0	263	11	0	0	407	13	0
55	1416	67	2610	0	263	12	0	0	407	14	0
55	1459	67	2663	0	263	13	0	0	407	15	0
55	1502	67	2736	0	263	14	0	0	407	16	0
55	1545	67	3011	0	263	15	0	0	407	17	0
55	1588	67	3064	0	263	16	0	0	407	20	0
55	1631	67	3137	0	263	17	0	0	407	21	0
55	1674	67	3212	0	263	18	0	0	407	22	0
55	1717	67	3265	0	263	19	0	0	407	23	0
55	1760	67	3340	0	264	0	0	0	410	0	0
55	1803	67	3413	0	264	1	0	0	410	1	0
55	1846	67	3466	0	264	2	0	0	410	2	0
55	1889	67	3541	0	264	3	0	0	410	3	0
55	1932	67	3614	0	264	4	0	0	410	4	0
55	1975	67	3667	0	264	5	0	0	410	5	0
55	2018	67	3742	0	264	6	0	0	410	6	0
55	2061	67	4015	0	264	7	0	0	410	7	0
55	2104	67	4070	0	264	8	0	0	410	10	0
55	2147	67	4143	0	264	9	0	0	410	11	0
55	2190	67	4216	0	264	10	0	0	410	12	0
55	2233	67	4271	0	264	11	0	0	410	13	0
55	2276	67	4344	0	264	12	0	0	410	14	0
55	2319	67	4417	0	264	13	0	0	410	15	0
55	2362	67	4472	0	264	14	0	0	410	16	0
55	2405	67	4545	0	264	15	0	0	410	17	0
55	2448	67	4620	0	264	16	0	0	410	20	0
55	2491	67	4673	0	264	17	0	0	410	21	0
55	2534	67	4746	0	264	18	0	0	410	22	0
55	2577	67	5021	0	264	19	0	0	410	23	0
55	2620	67	5074	0	265	0	0	0	411	0	0
55	2663	67	5147	0	265	1	0	0	411	1	0
55	2706	67	5222	0	265	2	0	0	411	2	0
55	2749	67	5275	0	265	3	0	0	411	3	0
55	2792	67	5350	0	265	4	0	0	411	4	0
55	2835	67	5423	0	265	5	0	0	411	5	0
55	2878	67	5476	0	265	6	0	0	411	6	0
55	2921	67	5551	0	265	7	0	0	411	7	0
55	2964	67	5624	0	265	8	0	0	411	10	0
55	3007	67	5677	0	265	9	0	0	411	11	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
55	3050	67	5752	0	265	10	0	0	411	12	0
55	3093	67	6025	0	265	11	0	0	411	13	0
55	3136	67	6100	0	265	12	0	0	411	14	0
55	3179	67	6153	0	265	13	0	0	411	15	0
55	3222	67	6226	0	265	14	0	0	411	16	0
55	3265	67	6301	0	265	15	0	0	411	17	0
55	3308	67	6354	0	265	16	0	0	411	20	0
55	3351	67	6427	0	265	17	0	0	411	21	0
55	3394	67	6502	0	265	18	0	0	411	22	0
55	3437	67	6555	0	265	19	0	0	411	23	0
55	3480	67	6630	0	266	0	0	0	412	0	0
55	3523	67	6703	0	266	1	0	0	412	1	0
55	3566	67	6756	0	266	2	0	0	412	2	0
55	3609	67	7031	0	266	3	0	0	412	3	0
55	3652	67	7104	0	266	4	0	0	412	4	0
55	3695	67	7157	0	266	5	0	0	412	5	0
55	3738	67	7232	0	266	6	0	0	412	6	0
55	3781	67	7305	0	266	7	0	0	412	7	0
55	3824	67	7360	0	266	8	0	0	412	10	0
55	3867	67	7433	0	266	9	0	0	412	11	0
55	3910	67	7506	0	266	10	0	0	412	12	0
55	3953	67	7561	0	266	11	0	0	412	13	0
55	3996	67	7634	0	266	12	0	0	412	14	0
55	4039	67	7707	0	266	13	0	0	412	15	0
55	4082	67	7762	0	266	14	0	0	412	16	0
56	29	70	35	0	266	15	0	0	412	17	0
56	72	70	110	0	266	16	0	0	412	20	0
56	115	70	163	0	266	17	0	0	412	21	0
56	158	70	236	0	266	18	0	0	412	22	0
56	201	70	311	0	266	19	0	0	412	23	0
56	244	70	364	0	267	0	0	0	413	0	0
56	287	70	437	0	267	1	0	0	413	1	0
56	330	70	512	0	267	2	0	0	413	2	0
56	373	70	565	0	267	3	0	0	413	3	0
56	416	70	640	0	267	4	0	0	413	4	0
56	459	70	713	0	267	5	0	0	413	5	0
56	502	70	766	0	267	6	0	0	413	6	0
56	545	70	1041	0	267	7	0	0	413	7	0
56	588	70	1114	0	267	8	0	0	413	10	0
56	631	70	1167	0	267	9	0	0	413	11	0
56	674	70	1242	0	267	10	0	0	413	12	0
56	717	70	1315	0	267	11	0	0	413	13	0
56	760	70	1370	0	267	12	0	0	413	14	0
56	803	70	1443	0	267	13	0	0	413	15	0
56	846	70	1516	0	267	14	0	0	413	16	0
56	889	70	1571	0	267	15	0	0	413	17	0
56	932	70	1644	0	267	16	0	0	413	20	0
56	975	70	1717	0	267	17	0	0	413	21	0
56	1018	70	1772	0	267	18	0	0	413	22	0
56	1061	70	2045	0	267	19	0	0	413	23	0
56	1104	70	2120	0	268	0	0	0	414	0	0
56	1147	70	2173	0	268	1	0	0	414	1	0
56	1190	70	2246	0	268	2	0	0	414	2	0
56	1233	70	2321	0	268	3	0	0	414	3	0
56	1276	70	2374	0	268	4	0	0	414	4	0
56	1319	70	2447	0	268	5	0	0	414	5	0
56	1362	70	2522	0	268	6	0	0	414	6	0
56	1405	70	2575	0	268	7	0	0	414	7	0
56	1448	70	2650	0	268	8	0	0	414	10	0
56	1491	70	2723	0	268	9	0	0	414	11	0
56	1534	70	2776	0	268	10	0	0	414	12	0
56	1577	70	3051	0	268	11	0	0	414	13	0
56	1620	70	3124	0	268	12	0	0	414	14	0
56	1663	70	3177	0	268	13	0	0	414	15	0
56	1706	70	3252	0	268	14	0	0	414	16	0
56	1749	70	3325	0	268	15	0	0	414	17	0
56	1792	70	3400	0	268	16	0	0	414	20	0
56	1835	70	3453	0	268	17	0	0	414	21	0
56	1878	70	3526	0	268	18	0	0	414	22	0
56	1921	70	3601	0	268	19	0	0	414	23	0
56	1964	70	3654	0	269	0	0	0	415	0	0
56	2007	70	3727	0	269	1	0	0	415	1	0
56	2050	70	4002	0	269	2	0	0	415	2	0
56	2093	70	4055	0	269	3	0	0	415	3	0
56	2136	70	4130	0	269	4	0	0	415	4	0
56	2179	70	4203	0	269	5	0	0	415	5	0
56	2222	70	4256	0	269	6	0	0	415	6	0
56	2265	70	4331	0	269	7	0	0	415	7	0
56	2308	70	4404	0	269	8	0	0	415	10	0
56	2351	70	4457	0	269	9	0	0	415	11	0
56	2394	70	4532	0	269	10	0	0	415	12	0
56	2437	70	4605	0	269	11	0	0	415	13	0
56	2480	70	4660	0	269	12	0	0	415	14	0
56	2523	70	4733	0	269	13	0	0	415	15	0
56	2566	70	5006	0	269	14	0	0	415	16	0
56	2609	70	5061	0	269	15	0	0	415	17	0
56	2652	70	5134	0	269	16	0	0	415	20	0
56	2695	70	5207	0	269	17	0	0	415	21	0
56	2738	70	5262	0	269	18	0	0	415	22	0
56	2781	70	5335	0	269	19	0	0	415	23	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
56	2824	70	5410	0	270	0	0	0	416	0	0
56	2867	70	5463	0	270	1	0	0	416	1	0
56	2910	70	5536	0	270	2	0	0	416	2	0
56	2953	70	5611	0	270	3	0	0	416	3	0
56	2996	70	5664	0	270	4	0	0	416	4	0
56	3039	70	5737	0	270	5	0	0	416	5	0
56	3082	70	6012	0	270	6	0	0	416	6	0
56	3125	70	6065	0	270	7	0	0	416	7	0
56	3168	70	6140	0	270	8	0	0	416	10	0
56	3211	70	6213	0	270	9	0	0	416	11	0
56	3254	70	6266	0	270	10	0	0	416	12	0
56	3297	70	6341	0	270	11	0	0	416	13	0
56	3340	70	6414	0	270	12	0	0	416	14	0
56	3383	70	6467	0	270	13	0	0	416	15	0
56	3426	70	6542	0	270	14	0	0	416	16	0
56	3469	70	6615	0	270	15	0	0	416	17	0
56	3512	70	6670	0	270	16	0	0	416	20	0
56	3555	70	6743	0	270	17	0	0	416	21	0
56	3598	70	7016	0	270	18	0	0	416	22	0
56	3641	70	7071	0	270	19	0	0	416	23	0
56	3684	70	7144	0	271	0	0	0	417	0	0
56	3727	70	7217	0	271	1	0	0	417	1	0
56	3770	70	7272	0	271	2	0	0	417	2	0
56	3813	70	7345	0	271	3	0	0	417	3	0
56	3856	70	7420	0	271	4	0	0	417	4	0
56	3899	70	7473	0	271	5	0	0	417	5	0
56	3942	70	7546	0	271	6	0	0	417	6	0
56	3985	70	7621	0	271	7	0	0	417	7	0
56	4028	70	7674	0	271	8	0	0	417	10	0
56	4071	70	7747	0	271	9	0	0	417	11	0
57	18	71	22	0	271	10	0	0	417	12	0
57	61	71	75	0	271	11	0	0	417	13	0
57	104	71	150	0	271	12	0	0	417	14	0
57	147	71	223	0	271	13	0	0	417	15	0
57	190	71	276	0	271	14	0	0	417	16	0
57	233	71	351	0	271	15	0	0	417	17	0
57	276	71	424	0	271	16	0	0	417	20	0
57	319	71	477	0	271	17	0	0	417	21	0
57	362	71	552	0	271	18	0	0	417	22	0
57	405	71	625	0	271	19	0	0	417	23	0
57	448	71	700	0	272	0	0	0	420	0	0
57	491	71	753	0	272	1	0	0	420	1	0
57	534	71	1026	0	272	2	0	0	420	2	0
57	577	71	1101	0	272	3	0	0	420	3	0
57	620	71	1154	0	272	4	0	0	420	4	0
57	663	71	1227	0	272	5	0	0	420	5	0
57	706	71	1302	0	272	6	0	0	420	6	0
57	749	71	1355	0	272	7	0	0	420	7	0
57	792	71	1430	0	272	8	0	0	420	10	0
57	835	71	1503	0	272	9	0	0	420	11	0
57	878	71	1556	0	272	10	0	0	420	12	0
57	921	71	1631	0	272	11	0	0	420	13	0
57	964	71	1704	0	272	12	0	0	420	14	0
57	1007	71	1757	0	272	13	0	0	420	15	0
57	1050	71	2032	0	272	14	0	0	420	16	0
57	1093	71	2105	0	272	15	0	0	420	17	0
57	1136	71	2160	0	272	16	0	0	420	20	0
57	1179	71	2233	0	272	17	0	0	420	21	0
57	1222	71	2306	0	272	18	0	0	420	22	0
57	1265	71	2361	0	272	19	0	0	420	23	0
57	1308	71	2434	0	273	0	0	0	421	0	0
57	1351	71	2507	0	273	1	0	0	421	1	0
57	1394	71	2562	0	273	2	0	0	421	2	0
57	1437	71	2635	0	273	3	0	0	421	3	0
57	1480	71	2710	0	273	4	0	0	421	4	0
57	1523	71	2763	0	273	5	0	0	421	5	0
57	1566	71	3036	0	273	6	0	0	421	6	0
57	1609	71	3111	0	273	7	0	0	421	7	0
57	1652	71	3164	0	273	8	0	0	421	10	0
57	1695	71	3237	0	273	9	0	0	421	11	0
57	1738	71	3312	0	273	10	0	0	421	12	0
57	1781	71	3365	0	273	11	0	0	421	13	0
57	1824	71	3440	0	273	12	0	0	421	14	0
57	1867	71	3513	0	273	13	0	0	421	15	0
57	1910	71	3566	0	273	14	0	0	421	16	0
57	1953	71	3641	0	273	15	0	0	421	17	0
57	1996	71	3714	0	273	16	0	0	421	20	0
57	2039	71	3767	0	273	17	0	0	421	21	0
57	2082	71	4042	0	273	18	0	0	421	22	0
57	2125	71	4115	0	273	19	0	0	421	23	0
57	2168	71	4170	0	274	0	0	0	422	0	0
57	2211	71	4243	0	274	1	0	0	422	1	0
57	2254	71	4316	0	274	2	0	0	422	2	0
57	2297	71	4371	0	274	3	0	0	422	3	0
57	2340	71	4444	0	274	4	0	0	422	4	0
57	2383	71	4517	0	274	5	0	0	422	5	0
57	2426	71	4572	0	274	6	0	0	422	6	0
57	2469	71	4645	0	274	7	0	0	422	7	0
57	2512	71	4720	0	274	8	0	0	422	10	0
57	2555	71	4773	0	274	9	0	0	422	11	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
57	2598	71	5046	0	274	10	0	0	422	12	0
57	2641	71	5121	0	274	11	0	0	422	13	0
57	2684	71	5174	0	274	12	0	0	422	14	0
57	2727	71	5247	0	274	13	0	0	422	15	0
57	2770	71	5322	0	274	14	0	0	422	16	0
57	2813	71	5375	0	274	15	0	0	422	17	0
57	2856	71	5450	0	274	16	0	0	422	20	0
57	2899	71	5523	0	274	17	0	0	422	21	0
57	2942	71	5576	0	274	18	0	0	422	22	0
57	2985	71	5651	0	274	19	0	0	422	23	0
57	3028	71	5724	0	275	0	0	0	423	0	0
57	3071	71	5777	0	275	1	0	0	423	1	0
57	3114	71	6052	0	275	2	0	0	423	2	0
57	3157	71	6125	0	275	3	0	0	423	3	0
57	3200	71	6200	0	275	4	0	0	423	4	0
57	3243	71	6253	0	275	5	0	0	423	5	0
57	3286	71	6326	0	275	6	0	0	423	6	0
57	3329	71	6401	0	275	7	0	0	423	7	0
57	3372	71	6454	0	275	8	0	0	423	10	0
57	3415	71	6527	0	275	9	0	0	423	11	0
57	3458	71	6602	0	275	10	0	0	423	12	0
57	3501	71	6655	0	275	11	0	0	423	13	0
57	3544	71	6730	0	275	12	0	0	423	14	0
57	3587	71	7003	0	275	13	0	0	423	15	0
57	3630	71	7056	0	275	14	0	0	423	16	0
57	3673	71	7131	0	275	15	0	0	423	17	0
57	3716	71	7204	0	275	16	0	0	423	20	0
57	3759	71	7257	0	275	17	0	0	423	21	0
57	3802	71	7332	0	275	18	0	0	423	22	0
57	3845	71	7405	0	275	19	0	0	423	23	0
57	3888	71	7460	0	276	0	0	0	424	0	0
57	3931	71	7533	0	276	1	0	0	424	1	0
57	3974	71	7606	0	276	2	0	0	424	2	0
57	4017	71	7661	0	276	3	0	0	424	3	0
57	4060	71	7734	0	276	4	0	0	424	4	0
58	7	72	7	0	276	5	0	0	424	5	0
58	50	72	62	0	276	6	0	0	424	6	0
58	93	72	135	0	276	7	0	0	424	7	0
58	136	72	210	0	276	8	0	0	424	10	0
58	179	72	263	0	276	9	0	0	424	11	0
58	222	72	336	0	276	10	0	0	424	12	0
58	265	72	411	0	276	11	0	0	424	13	0
58	308	72	464	0	276	12	0	0	424	14	0
58	351	72	537	0	276	13	0	0	424	15	0
58	394	72	612	0	276	14	0	0	424	16	0
58	437	72	665	0	276	15	0	0	424	17	0
58	480	72	740	0	276	16	0	0	424	20	0
58	523	72	1013	0	276	17	0	0	424	21	0
58	566	72	1066	0	276	18	0	0	424	22	0
58	609	72	1141	0	276	19	0	0	424	23	0
58	652	72	1214	0	277	0	0	0	425	0	0
58	695	72	1267	0	277	1	0	0	425	1	0
58	738	72	1342	0	277	2	0	0	425	2	0
58	781	72	1415	0	277	3	0	0	425	3	0
58	824	72	1470	0	277	4	0	0	425	4	0
58	867	72	1543	0	277	5	0	0	425	5	0
58	910	72	1616	0	277	6	0	0	425	6	0
58	953	72	1671	0	277	7	0	0	425	7	0
58	996	72	1744	0	277	8	0	0	425	10	0
58	1039	72	2017	0	277	9	0	0	425	11	0
58	1082	72	2072	0	277	10	0	0	425	12	0
58	1125	72	2145	0	277	11	0	0	425	13	0
58	1168	72	2220	0	277	12	0	0	425	14	0
58	1211	72	2273	0	277	13	0	0	425	15	0
58	1254	72	2346	0	277	14	0	0	425	16	0
58	1297	72	2421	0	277	15	0	0	425	17	0
58	1340	72	2474	0	277	16	0	0	425	20	0
58	1383	72	2547	0	277	17	0	0	425	21	0
58	1426	72	2622	0	277	18	0	0	425	22	0
58	1469	72	2675	0	277	19	0	0	425	23	0
58	1512	72	2750	0	278	0	0	0	426	0	0
58	1555	72	3023	0	278	1	0	0	426	1	0
58	1598	72	3076	0	278	2	0	0	426	2	0
58	1641	72	3151	0	278	3	0	0	426	3	0
58	1684	72	3224	0	278	4	0	0	426	4	0
58	1727	72	3277	0	278	5	0	0	426	5	0
58	1770	72	3352	0	278	6	0	0	426	6	0
58	1813	72	3425	0	278	7	0	0	426	7	0
58	1856	72	3500	0	278	8	0	0	426	10	0
58	1899	72	3553	0	278	9	0	0	426	11	0
58	1942	72	3626	0	278	10	0	0	426	12	0
58	1985	72	3701	0	278	11	0	0	426	13	0
58	2028	72	3754	0	278	12	0	0	426	14	0
58	2071	72	4027	0	278	13	0	0	426	15	0
58	2114	72	4102	0	278	14	0	0	426	16	0
58	2157	72	4155	0	278	15	0	0	426	17	0
58	2200	72	4230	0	278	16	0	0	426	20	0
58	2243	72	4303	0	278	17	0	0	426	21	0
58	2286	72	4356	0	278	18	0	0	426	22	0
58	2329	72	4431	0	278	19	0	0	426	23	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
58	2372	72	4504	0	279	0	0	0	427	0	0
58	2415	72	4557	0	279	1	0	0	427	1	0
58	2458	72	4632	0	279	2	0	0	427	2	0
58	2501	72	4705	0	279	3	0	0	427	3	0
58	2544	72	4760	0	279	4	0	0	427	4	0
58	2587	72	5033	0	279	5	0	0	427	5	0
58	2630	72	5106	0	279	6	0	0	427	6	0
58	2673	72	5161	0	279	7	0	0	427	7	0
58	2716	72	5234	0	279	8	0	0	427	10	0
58	2759	72	5307	0	279	9	0	0	427	11	0
58	2802	72	5362	0	279	10	0	0	427	12	0
58	2845	72	5435	0	279	11	0	0	427	13	0
58	2888	72	5510	0	279	12	0	0	427	14	0
58	2931	72	5563	0	279	13	0	0	427	15	0
58	2974	72	5636	0	279	14	0	0	427	16	0
58	3017	72	5711	0	279	15	0	0	427	17	0
58	3060	72	5764	0	279	16	0	0	427	20	0
58	3103	72	6037	0	279	17	0	0	427	21	0
58	3146	72	6112	0	279	18	0	0	427	22	0
58	3189	72	6165	0	279	19	0	0	427	23	0
58	3232	72	6240	0	280	0	0	0	430	0	0
58	3275	72	6313	0	280	1	0	0	430	1	0
58	3318	72	6366	0	280	2	0	0	430	2	0
58	3361	72	6441	0	280	3	0	0	430	3	0
58	3404	72	6514	0	280	4	0	0	430	4	0
58	3447	72	6567	0	280	5	0	0	430	5	0
58	3490	72	6642	0	280	6	0	0	430	6	0
58	3533	72	6715	0	280	7	0	0	430	7	0
58	3576	72	6770	0	280	8	0	0	430	10	0
58	3619	72	7043	0	280	9	0	0	430	11	0
58	3662	72	7116	0	280	10	0	0	430	12	0
58	3705	72	7171	0	280	11	0	0	430	13	0
58	3748	72	7244	0	280	12	0	0	430	14	0
58	3791	72	7317	0	280	13	0	0	430	15	0
58	3834	72	7372	0	280	14	0	0	430	16	0
58	3877	72	7445	0	280	15	0	0	430	17	0
58	3920	72	7520	0	280	16	0	0	430	20	0
58	3963	72	7573	0	280	17	0	0	430	21	0
58	4006	72	7646	0	280	18	0	0	430	22	0
58	4049	72	7721	0	280	19	0	0	430	23	0
58	4092	72	7774	0	281	0	0	0	431	0	0
59	39	73	47	0	281	1	0	0	431	1	0
59	82	73	122	0	281	2	0	0	431	2	0
59	125	73	175	0	281	3	0	0	431	3	0
59	168	73	250	0	281	4	0	0	431	4	0
59	211	73	323	0	281	5	0	0	431	5	0
59	254	73	376	0	281	6	0	0	431	6	0
59	297	73	451	0	281	7	0	0	431	7	0
59	340	73	524	0	281	8	0	0	431	10	0
59	383	73	577	0	281	9	0	0	431	11	0
59	426	73	652	0	281	10	0	0	431	12	0
59	469	73	725	0	281	11	0	0	431	13	0
59	512	73	1000	0	281	12	0	0	431	14	0
59	555	73	1053	0	281	13	0	0	431	15	0
59	598	73	1126	0	281	14	0	0	431	16	0
59	641	73	1201	0	281	15	0	0	431	17	0
59	684	73	1254	0	281	16	0	0	431	20	0
59	727	73	1327	0	281	17	0	0	431	21	0
59	770	73	1402	0	281	18	0	0	431	22	0
59	813	73	1455	0	281	19	0	0	431	23	0
59	856	73	1530	0	282	0	0	0	432	0	0
59	899	73	1603	0	282	1	0	0	432	1	0
59	942	73	1656	0	282	2	0	0	432	2	0
59	985	73	1731	0	282	3	0	0	432	3	0
59	1028	73	2004	0	282	4	0	0	432	4	0
59	1071	73	2057	0	282	5	0	0	432	5	0
59	1114	73	2132	0	282	6	0	0	432	6	0
59	1157	73	2205	0	282	7	0	0	432	7	0
59	1200	73	2260	0	282	8	0	0	432	10	0
59	1243	73	2333	0	282	9	0	0	432	11	0
59	1286	73	2406	0	282	10	0	0	432	12	0
59	1329	73	2461	0	282	11	0	0	432	13	0
59	1372	73	2534	0	282	12	0	0	432	14	0
59	1415	73	2607	0	282	13	0	0	432	15	0
59	1458	73	2662	0	282	14	0	0	432	16	0
59	1501	73	2735	0	282	15	0	0	432	17	0
59	1544	73	3010	0	282	16	0	0	432	20	0
59	1587	73	3063	0	282	17	0	0	432	21	0
59	1630	73	3136	0	282	18	0	0	432	22	0
59	1673	73	3211	0	282	19	0	0	432	23	0
59	1716	73	3264	0	283	0	0	0	433	0	0
59	1759	73	3337	0	283	1	0	0	433	1	0
59	1802	73	3412	0	283	2	0	0	433	2	0
59	1845	73	3465	0	283	3	0	0	433	3	0
59	1888	73	3540	0	283	4	0	0	433	4	0
59	1931	73	3613	0	283	5	0	0	433	5	0
59	1974	73	3666	0	283	6	0	0	433	6	0
59	2017	73	3741	0	283	7	0	0	433	7	0
59	2060	73	4014	0	283	8	0	0	433	10	0
59	2103	73	4067	0	283	9	0	0	433	11	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
59	2146	73	4142	0	283	10	0	0	433	12	0
59	2189	73	4215	0	283	11	0	0	433	13	0
59	2232	73	4270	0	283	12	0	0	433	14	0
59	2275	73	4343	0	283	13	0	0	433	15	0
59	2318	73	4416	0	283	14	0	0	433	16	0
59	2361	73	4471	0	283	15	0	0	433	17	0
59	2404	73	4544	0	283	16	0	0	433	20	0
59	2447	73	4617	0	283	17	0	0	433	21	0
59	2490	73	4672	0	283	18	0	0	433	22	0
59	2533	73	4745	0	283	19	0	0	433	23	0
59	2576	73	5020	0	284	0	0	0	434	0	0
59	2619	73	5073	0	284	1	0	0	434	1	0
59	2662	73	5146	0	284	2	0	0	434	2	0
59	2705	73	5221	0	284	3	0	0	434	3	0
59	2748	73	5274	0	284	4	0	0	434	4	0
59	2791	73	5347	0	284	5	0	0	434	5	0
59	2834	73	5422	0	284	6	0	0	434	6	0
59	2877	73	5475	0	284	7	0	0	434	7	0
59	2920	73	5550	0	284	8	0	0	434	10	0
59	2963	73	5623	0	284	9	0	0	434	11	0
59	3006	73	5676	0	284	10	0	0	434	12	0
59	3049	73	5751	0	284	11	0	0	434	13	0
59	3092	73	6024	0	284	12	0	0	434	14	0
59	3135	73	6077	0	284	13	0	0	434	15	0
59	3178	73	6152	0	284	14	0	0	434	16	0
59	3221	73	6225	0	284	15	0	0	434	17	0
59	3264	73	6300	0	284	16	0	0	434	20	0
59	3307	73	6353	0	284	17	0	0	434	21	0
59	3350	73	6426	0	284	18	0	0	434	22	0
59	3393	73	6501	0	284	19	0	0	434	23	0
59	3436	73	6554	0	285	0	0	0	435	0	0
59	3479	73	6627	0	285	1	0	0	435	1	0
59	3522	73	6702	0	285	2	0	0	435	2	0
59	3565	73	6755	0	285	3	0	0	435	3	0
59	3608	73	7030	0	285	4	0	0	435	4	0
59	3651	73	7103	0	285	5	0	0	435	5	0
59	3694	73	7156	0	285	6	0	0	435	6	0
59	3737	73	7231	0	285	7	0	0	435	7	0
59	3780	73	7304	0	285	8	0	0	435	10	0
59	3823	73	7357	0	285	9	0	0	435	11	0
59	3866	73	7432	0	285	10	0	0	435	12	0
59	3909	73	7505	0	285	11	0	0	435	13	0
59	3952	73	7560	0	285	12	0	0	435	14	0
59	3995	73	7633	0	285	13	0	0	435	15	0
59	4038	73	7706	0	285	14	0	0	435	16	0
59	4081	73	7761	0	285	15	0	0	435	17	0
60	28	74	34	0	285	16	0	0	435	20	0
60	71	74	107	0	285	17	0	0	435	21	0
60	114	74	162	0	285	18	0	0	435	22	0
60	157	74	235	0	285	19	0	0	435	23	0
60	200	74	310	0	286	0	0	0	436	0	0
60	243	74	363	0	286	1	0	0	436	1	0
60	286	74	436	0	286	2	0	0	436	2	0
60	329	74	511	0	286	3	0	0	436	3	0
60	372	74	564	0	286	4	0	0	436	4	0
60	415	74	637	0	286	5	0	0	436	5	0
60	458	74	712	0	286	6	0	0	436	6	0
60	501	74	765	0	286	7	0	0	436	7	0
60	544	74	1040	0	286	8	0	0	436	10	0
60	587	74	1113	0	286	9	0	0	436	11	0
60	630	74	1166	0	286	10	0	0	436	12	0
60	673	74	1241	0	286	11	0	0	436	13	0
60	716	74	1314	0	286	12	0	0	436	14	0
60	759	74	1367	0	286	13	0	0	436	15	0
60	802	74	1442	0	286	14	0	0	436	16	0
60	845	74	1515	0	286	15	0	0	436	17	0
60	888	74	1570	0	286	16	0	0	436	20	0
60	931	74	1643	0	286	17	0	0	436	21	0
60	974	74	1716	0	286	18	0	0	436	22	0
60	1017	74	1771	0	286	19	0	0	436	23	0
60	1060	74	2044	0	287	0	0	0	437	0	0
60	1103	74	2117	0	287	1	0	0	437	1	0
60	1146	74	2172	0	287	2	0	0	437	2	0
60	1189	74	2245	0	287	3	0	0	437	3	0
60	1232	74	2320	0	287	4	0	0	437	4	0
60	1275	74	2373	0	287	5	0	0	437	5	0
60	1318	74	2446	0	287	6	0	0	437	6	0
60	1361	74	2521	0	287	7	0	0	437	7	0
60	1404	74	2574	0	287	8	0	0	437	10	0
60	1447	74	2647	0	287	9	0	0	437	11	0
60	1490	74	2722	0	287	10	0	0	437	12	0
60	1533	74	2775	0	287	11	0	0	437	13	0
60	1576	74	3050	0	287	12	0	0	437	14	0
60	1619	74	3123	0	287	13	0	0	437	15	0
60	1662	74	3176	0	287	14	0	0	437	16	0
60	1705	74	3251	0	287	15	0	0	437	17	0
60	1748	74	3324	0	287	16	0	0	437	20	0
60	1791	74	3377	0	287	17	0	0	437	21	0
60	1834	74	3452	0	287	18	0	0	437	22	0
60	1877	74	3525	0	287	19	0	0	437	23	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
60	1920	74	3600	0	288	0	0	0	440	0	0
60	1963	74	3653	0	288	1	0	0	440	1	0
60	2006	74	3726	0	288	2	0	0	440	2	0
60	2049	74	4001	0	288	3	0	0	440	3	0
60	2092	74	4054	0	288	4	0	0	440	4	0
60	2135	74	4127	0	288	5	0	0	440	5	0
60	2178	74	4202	0	288	6	0	0	440	6	0
60	2221	74	4255	0	288	7	0	0	440	7	0
60	2264	74	4330	0	288	8	0	0	440	10	0
60	2307	74	4403	0	288	9	0	0	440	11	0
60	2350	74	4456	0	288	10	0	0	440	12	0
60	2393	74	4531	0	288	11	0	0	440	13	0
60	2436	74	4604	0	288	12	0	0	440	14	0
60	2479	74	4657	0	288	13	0	0	440	15	0
60	2522	74	4732	0	288	14	0	0	440	16	0
60	2565	74	5005	0	288	15	0	0	440	17	0
60	2608	74	5060	0	288	16	0	0	440	20	0
60	2651	74	5133	0	288	17	0	0	440	21	0
60	2694	74	5206	0	288	18	0	0	440	22	0
60	2737	74	5261	0	288	19	0	0	440	23	0
60	2780	74	5334	0	289	0	0	0	441	0	0
60	2823	74	5407	0	289	1	0	0	441	1	0
60	2866	74	5462	0	289	2	0	0	441	2	0
60	2909	74	5535	0	289	3	0	0	441	3	0
60	2952	74	5610	0	289	4	0	0	441	4	0
60	2995	74	5663	0	289	5	0	0	441	5	0
60	3038	74	5736	0	289	6	0	0	441	6	0
60	3081	74	6011	0	289	7	0	0	441	7	0
60	3124	74	6064	0	289	8	0	0	441	10	0
60	3167	74	6137	0	289	9	0	0	441	11	0
60	3210	74	6212	0	289	10	0	0	441	12	0
60	3253	74	6265	0	289	11	0	0	441	13	0
60	3296	74	6340	0	289	12	0	0	441	14	0
60	3339	74	6413	0	289	13	0	0	441	15	0
60	3382	74	6466	0	289	14	0	0	441	16	0
60	3425	74	6541	0	289	15	0	0	441	17	0
60	3468	74	6614	0	289	16	0	0	441	20	0
60	3511	74	6667	0	289	17	0	0	441	21	0
60	3554	74	6742	0	289	18	0	0	441	22	0
60	3597	74	7015	0	289	19	0	0	441	23	0
60	3640	74	7070	0	290	0	0	0	442	0	0
60	3683	74	7143	0	290	1	0	0	442	1	0
60	3726	74	7216	0	290	2	0	0	442	2	0
60	3769	74	7271	0	290	3	0	0	442	3	0
60	3812	74	7344	0	290	4	0	0	442	4	0
60	3855	74	7417	0	290	5	0	0	442	5	0
60	3898	74	7472	0	290	6	0	0	442	6	0
60	3941	74	7545	0	290	7	0	0	442	7	0
60	3984	74	7620	0	290	8	0	0	442	10	0
60	4027	74	7673	0	290	9	0	0	442	11	0
60	4070	74	7746	0	290	10	0	0	442	12	0
61	17	75	21	0	290	11	0	0	442	13	0
61	60	75	74	0	290	12	0	0	442	14	0
61	103	75	147	0	290	13	0	0	442	15	0
61	146	75	222	0	290	14	0	0	442	16	0
61	189	75	275	0	290	15	0	0	442	17	0
61	232	75	350	0	290	16	0	0	442	20	0
61	275	75	423	0	290	17	0	0	442	21	0
61	318	75	476	0	290	18	0	0	442	22	0
61	361	75	551	0	290	19	0	0	442	23	0
61	404	75	624	0	291	0	0	0	443	0	0
61	447	75	677	0	291	1	0	0	443	1	0
61	490	75	752	0	291	2	0	0	443	2	0
61	533	75	1025	0	291	3	0	0	443	3	0
61	576	75	1100	0	291	4	0	0	443	4	0
61	619	75	1153	0	291	5	0	0	443	5	0
61	662	75	1226	0	291	6	0	0	443	6	0
61	705	75	1301	0	291	7	0	0	443	7	0
61	748	75	1354	0	291	8	0	0	443	10	0
61	791	75	1427	0	291	9	0	0	443	11	0
61	834	75	1502	0	291	10	0	0	443	12	0
61	877	75	1555	0	291	11	0	0	443	13	0
61	920	75	1630	0	291	12	0	0	443	14	0
61	963	75	1703	0	291	13	0	0	443	15	0
61	1006	75	1756	0	291	14	0	0	443	16	0
61	1049	75	2031	0	291	15	0	0	443	17	0
61	1092	75	2104	0	291	16	0	0	443	20	0
61	1135	75	2157	0	291	17	0	0	443	21	0
61	1178	75	2232	0	291	18	0	0	443	22	0
61	1221	75	2305	0	291	19	0	0	443	23	0
61	1264	75	2360	0	292	0	0	0	444	0	0
61	1307	75	2433	0	292	1	0	0	444	1	0
61	1350	75	2506	0	292	2	0	0	444	2	0
61	1393	75	2561	0	292	3	0	0	444	3	0
61	1436	75	2634	0	292	4	0	0	444	4	0
61	1479	75	2707	0	292	5	0	0	444	5	0
61	1522	75	2762	0	292	6	0	0	444	6	0
61	1565	75	3035	0	292	7	0	0	444	7	0
61	1608	75	3110	0	292	8	0	0	444	10	0
61	1651	75	3163	0	292	9	0	0	444	11	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
61	1694	75	3236	0	292	10	0	0	444	12	0
61	1737	75	3311	0	292	11	0	0	444	13	0
61	1780	75	3364	0	292	12	0	0	444	14	0
61	1823	75	3437	0	292	13	0	0	444	15	0
61	1866	75	3512	0	292	14	0	0	444	16	0
61	1909	75	3565	0	292	15	0	0	444	17	0
61	1952	75	3640	0	292	16	0	0	444	20	0
61	1995	75	3713	0	292	17	0	0	444	21	0
61	2038	75	3766	0	292	18	0	0	444	22	0
61	2081	75	4041	0	292	19	0	0	444	23	0
61	2124	75	4114	0	293	0	0	0	445	0	0
61	2167	75	4167	0	293	1	0	0	445	1	0
61	2210	75	4242	0	293	2	0	0	445	2	0
61	2253	75	4315	0	293	3	0	0	445	3	0
61	2296	75	4370	0	293	4	0	0	445	4	0
61	2339	75	4443	0	293	5	0	0	445	5	0
61	2382	75	4516	0	293	6	0	0	445	6	0
61	2425	75	4571	0	293	7	0	0	445	7	0
61	2468	75	4644	0	293	8	0	0	445	10	0
61	2511	75	4717	0	293	9	0	0	445	11	0
61	2554	75	4772	0	293	10	0	0	445	12	0
61	2597	75	5045	0	293	11	0	0	445	13	0
61	2640	75	5120	0	293	12	0	0	445	14	0
61	2683	75	5173	0	293	13	0	0	445	15	0
61	2726	75	5246	0	293	14	0	0	445	16	0
61	2769	75	5321	0	293	15	0	0	445	17	0
61	2812	75	5374	0	293	16	0	0	445	20	0
61	2855	75	5447	0	293	17	0	0	445	21	0
61	2898	75	5522	0	293	18	0	0	445	22	0
61	2941	75	5575	0	293	19	0	0	445	23	0
61	2984	75	5650	0	294	0	0	0	446	0	0
61	3027	75	5723	0	294	1	0	0	446	1	0
61	3070	75	5776	0	294	2	0	0	446	2	0
61	3113	75	6051	0	294	3	0	0	446	3	0
61	3156	75	6124	0	294	4	0	0	446	4	0
61	3199	75	6177	0	294	5	0	0	446	5	0
61	3242	75	6252	0	294	6	0	0	446	6	0
61	3285	75	6325	0	294	7	0	0	446	7	0
61	3328	75	6400	0	294	8	0	0	446	10	0
61	3371	75	6453	0	294	9	0	0	446	11	0
61	3414	75	6526	0	294	10	0	0	446	12	0
61	3457	75	6601	0	294	11	0	0	446	13	0
61	3500	75	6654	0	294	12	0	0	446	14	0
61	3543	75	6727	0	294	13	0	0	446	15	0
61	3586	75	7002	0	294	14	0	0	446	16	0
61	3629	75	7055	0	294	15	0	0	446	17	0
61	3672	75	7130	0	294	16	0	0	446	20	0
61	3715	75	7203	0	294	17	0	0	446	21	0
61	3758	75	7256	0	294	18	0	0	446	22	0
61	3801	75	7331	0	294	19	0	0	446	23	0
61	3844	75	7404	0	295	0	0	0	447	0	0
61	3887	75	7457	0	295	1	0	0	447	1	0
61	3930	75	7532	0	295	2	0	0	447	2	0
61	3973	75	7605	0	295	3	0	0	447	3	0
61	4016	75	7660	0	295	4	0	0	447	4	0
61	4059	75	7733	0	295	5	0	0	447	5	0
62	6	76	6	0	295	6	0	0	447	6	0
62	49	76	61	0	295	7	0	0	447	7	0
62	92	76	134	0	295	8	0	0	447	10	0
62	135	76	207	0	295	9	0	0	447	11	0
62	178	76	262	0	295	10	0	0	447	12	0
62	221	76	335	0	295	11	0	0	447	13	0
62	264	76	410	0	295	12	0	0	447	14	0
62	307	76	463	0	295	13	0	0	447	15	0
62	350	76	536	0	295	14	0	0	447	16	0
62	393	76	611	0	295	15	0	0	447	17	0
62	436	76	664	0	295	16	0	0	447	20	0
62	479	76	737	0	295	17	0	0	447	21	0
62	522	76	1012	0	295	18	0	0	447	22	0
62	565	76	1065	0	295	19	0	0	447	23	0
62	608	76	1140	0	296	0	0	0	450	0	0
62	651	76	1213	0	296	1	0	0	450	1	0
62	694	76	1266	0	296	2	0	0	450	2	0
62	737	76	1341	0	296	3	0	0	450	3	0
62	780	76	1414	0	296	4	0	0	450	4	0
62	823	76	1467	0	296	5	0	0	450	5	0
62	866	76	1542	0	296	6	0	0	450	6	0
62	909	76	1615	0	296	7	0	0	450	7	0
62	952	76	1670	0	296	8	0	0	450	10	0
62	995	76	1743	0	296	9	0	0	450	11	0
62	1038	76	2016	0	296	10	0	0	450	12	0
62	1081	76	2071	0	296	11	0	0	450	13	0
62	1124	76	2144	0	296	12	0	0	450	14	0
62	1167	76	2217	0	296	13	0	0	450	15	0
62	1210	76	2272	0	296	14	0	0	450	16	0
62	1253	76	2345	0	296	15	0	0	450	17	0
62	1296	76	2420	0	296	16	0	0	450	20	0
62	1339	76	2473	0	296	17	0	0	450	21	0
62	1382	76	2546	0	296	18	0	0	450	22	0
62	1425	76	2621	0	296	19	0	0	450	23	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
62	1468	76	2674	0	297	0	0	0	451	0	0
62	1511	76	2747	0	297	1	0	0	451	1	0
62	1554	76	3022	0	297	2	0	0	451	2	0
62	1597	76	3075	0	297	3	0	0	451	3	0
62	1640	76	3150	0	297	4	0	0	451	4	0
62	1683	76	3223	0	297	5	0	0	451	5	0
62	1726	76	3276	0	297	6	0	0	451	6	0
62	1769	76	3351	0	297	7	0	0	451	7	0
62	1812	76	3424	0	297	8	0	0	451	10	0
62	1855	76	3477	0	297	9	0	0	451	11	0
62	1898	76	3552	0	297	10	0	0	451	12	0
62	1941	76	3625	0	297	11	0	0	451	13	0
62	1984	76	3700	0	297	12	0	0	451	14	0
62	2027	76	3753	0	297	13	0	0	451	15	0
62	2070	76	4026	0	297	14	0	0	451	16	0
62	2113	76	4101	0	297	15	0	0	451	17	0
62	2156	76	4154	0	297	16	0	0	451	20	0
62	2199	76	4227	0	297	17	0	0	451	21	0
62	2242	76	4302	0	297	18	0	0	451	22	0
62	2285	76	4355	0	297	19	0	0	451	23	0
62	2328	76	4430	0	298	0	0	0	452	0	0
62	2371	76	4503	0	298	1	0	0	452	1	0
62	2414	76	4556	0	298	2	0	0	452	2	0
62	2457	76	4631	0	298	3	0	0	452	3	0
62	2500	76	4704	0	298	4	0	0	452	4	0
62	2543	76	4757	0	298	5	0	0	452	5	0
62	2586	76	5032	0	298	6	0	0	452	6	0
62	2629	76	5105	0	298	7	0	0	452	7	0
62	2672	76	5160	0	298	8	0	0	452	10	0
62	2715	76	5233	0	298	9	0	0	452	11	0
62	2758	76	5306	0	298	10	0	0	452	12	0
62	2801	76	5361	0	298	11	0	0	452	13	0
62	2844	76	5434	0	298	12	0	0	452	14	0
62	2887	76	5507	0	298	13	0	0	452	15	0
62	2930	76	5562	0	298	14	0	0	452	16	0
62	2973	76	5635	0	298	15	0	0	452	17	0
62	3016	76	5710	0	298	16	0	0	452	20	0
62	3059	76	5763	0	298	17	0	0	452	21	0
62	3102	76	6036	0	298	18	0	0	452	22	0
62	3145	76	6111	0	298	19	0	0	452	23	0
62	3188	76	6164	0	299	0	0	0	453	0	0
62	3231	76	6237	0	299	1	0	0	453	1	0
62	3274	76	6312	0	299	2	0	0	453	2	0
62	3317	76	6365	0	299	3	0	0	453	3	0
62	3360	76	6440	0	299	4	0	0	453	4	0
62	3403	76	6513	0	299	5	0	0	453	5	0
62	3446	76	6566	0	299	6	0	0	453	6	0
62	3489	76	6641	0	299	7	0	0	453	7	0
62	3532	76	6714	0	299	8	0	0	453	10	0
62	3575	76	6767	0	299	9	0	0	453	11	0
62	3618	76	7042	0	299	10	0	0	453	12	0
62	3661	76	7115	0	299	11	0	0	453	13	0
62	3704	76	7170	0	299	12	0	0	453	14	0
62	3747	76	7243	0	299	13	0	0	453	15	0
62	3790	76	7316	0	299	14	0	0	453	16	0
62	3833	76	7371	0	299	15	0	0	453	17	0
62	3876	76	7444	0	299	16	0	0	453	20	0
62	3919	76	7517	0	299	17	0	0	453	21	0
62	3962	76	7572	0	299	18	0	0	453	22	0
62	4005	76	7645	0	299	19	0	0	453	23	0
62	4048	76	7720	0	300	0	0	0	454	0	0
62	4091	76	7773	0	300	1	0	0	454	1	0
63	38	77	46	0	300	2	0	0	454	2	0
63	81	77	121	0	300	3	0	0	454	3	0
63	124	77	174	0	300	4	0	0	454	4	0
63	167	77	247	0	300	5	0	0	454	5	0
63	210	77	322	0	300	6	0	0	454	6	0
63	253	77	375	0	300	7	0	0	454	7	0
63	296	77	450	0	300	8	0	0	454	10	0
63	339	77	523	0	300	9	0	0	454	11	0
63	382	77	576	0	300	10	0	0	454	12	0
63	425	77	651	0	300	11	0	0	454	13	0
63	468	77	724	0	300	12	0	0	454	14	0
63	511	77	777	0	300	13	0	0	454	15	0
63	554	77	1052	0	300	14	0	0	454	16	0
63	597	77	1125	0	300	15	0	0	454	17	0
63	640	77	1200	0	300	16	0	0	454	20	0
63	683	77	1253	0	300	17	0	0	454	21	0
63	726	77	1326	0	300	18	0	0	454	22	0
63	769	77	1401	0	300	19	0	0	454	23	0
63	812	77	1454	0	301	0	0	0	455	0	0
63	855	77	1527	0	301	1	0	0	455	1	0
63	898	77	1602	0	301	2	0	0	455	2	0
63	941	77	1655	0	301	3	0	0	455	3	0
63	984	77	1730	0	301	4	0	0	455	4	0
63	1027	77	2003	0	301	5	0	0	455	5	0
63	1070	77	2056	0	301	6	0	0	455	6	0
63	1113	77	2131	0	301	7	0	0	455	7	0
63	1156	77	2204	0	301	8	0	0	455	10	0
63	1199	77	2257	0	301	9	0	0	455	11	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
63	1242	77	2332	0	301	10	0	0	455	12	0
63	1285	77	2405	0	301	11	0	0	455	13	0
63	1328	77	2460	0	301	12	0	0	455	14	0
63	1371	77	2533	0	301	13	0	0	455	15	0
63	1414	77	2606	0	301	14	0	0	455	16	0
63	1457	77	2661	0	301	15	0	0	455	17	0
63	1500	77	2734	0	301	16	0	0	455	20	0
63	1543	77	3007	0	301	17	0	0	455	21	0
63	1586	77	3062	0	301	18	0	0	455	22	0
63	1629	77	3135	0	301	19	0	0	455	23	0
63	1672	77	3210	0	302	0	0	0	456	0	0
63	1715	77	3263	0	302	1	0	0	456	1	0
63	1758	77	3336	0	302	2	0	0	456	2	0
63	1801	77	3411	0	302	3	0	0	456	3	0
63	1844	77	3464	0	302	4	0	0	456	4	0
63	1887	77	3537	0	302	5	0	0	456	5	0
63	1930	77	3612	0	302	6	0	0	456	6	0
63	1973	77	3665	0	302	7	0	0	456	7	0
63	2016	77	3740	0	302	8	0	0	456	10	0
63	2059	77	4013	0	302	9	0	0	456	11	0
63	2102	77	4066	0	302	10	0	0	456	12	0
63	2145	77	4141	0	302	11	0	0	456	13	0
63	2188	77	4214	0	302	12	0	0	456	14	0
63	2231	77	4267	0	302	13	0	0	456	15	0
63	2274	77	4342	0	302	14	0	0	456	16	0
63	2317	77	4415	0	302	15	0	0	456	17	0
63	2360	77	4470	0	302	16	0	0	456	20	0
63	2403	77	4543	0	302	17	0	0	456	21	0
63	2446	77	4616	0	302	18	0	0	456	22	0
63	2489	77	4671	0	302	19	0	0	456	23	0
63	2532	77	4744	0	303	0	0	0	457	0	0
63	2575	77	5017	0	303	1	0	0	457	1	0
63	2618	77	5072	0	303	2	0	0	457	2	0
63	2661	77	5145	0	303	3	0	0	457	3	0
63	2704	77	5220	0	303	4	0	0	457	4	0
63	2747	77	5273	0	303	5	0	0	457	5	0
63	2790	77	5346	0	303	6	0	0	457	6	0
63	2833	77	5421	0	303	7	0	0	457	7	0
63	2876	77	5474	0	303	8	0	0	457	10	0
63	2919	77	5547	0	303	9	0	0	457	11	0
63	2962	77	5622	0	303	10	0	0	457	12	0
63	3005	77	5675	0	303	11	0	0	457	13	0
63	3048	77	5750	0	303	12	0	0	457	14	0
63	3091	77	6023	0	303	13	0	0	457	15	0
63	3134	77	6076	0	303	14	0	0	457	16	0
63	3177	77	6151	0	303	15	0	0	457	17	0
63	3220	77	6224	0	303	16	0	0	457	20	0
63	3263	77	6277	0	303	17	0	0	457	21	0
63	3306	77	6352	0	303	18	0	0	457	22	0
63	3349	77	6425	0	303	19	0	0	457	23	0
63	3392	77	6500	0	304	0	0	0	460	0	0
63	3435	77	6553	0	304	1	0	0	460	1	0
63	3478	77	6626	0	304	2	0	0	460	2	0
63	3521	77	6701	0	304	3	0	0	460	3	0
63	3564	77	6754	0	304	4	0	0	460	4	0
63	3607	77	7027	0	304	5	0	0	460	5	0
63	3650	77	7102	0	304	6	0	0	460	6	0
63	3693	77	7155	0	304	7	0	0	460	7	0
63	3736	77	7230	0	304	8	0	0	460	10	0
63	3779	77	7303	0	304	9	0	0	460	11	0
63	3822	77	7356	0	304	10	0	0	460	12	0
63	3865	77	7431	0	304	11	0	0	460	13	0
63	3908	77	7504	0	304	12	0	0	460	14	0
63	3951	77	7557	0	304	13	0	0	460	15	0
63	3994	77	7632	0	304	14	0	0	460	16	0
63	4037	77	7705	0	304	15	0	0	460	17	0
63	4080	77	7760	0	304	16	0	0	460	20	0
64	27	100	33	0	304	17	0	0	460	21	0
64	70	100	106	0	304	18	0	0	460	22	0
64	113	100	161	0	304	19	0	0	460	23	0
64	156	100	234	0	305	0	0	0	461	0	0
64	199	100	307	0	305	1	0	0	461	1	0
64	242	100	362	0	305	2	0	0	461	2	0
64	285	100	435	0	305	3	0	0	461	3	0
64	328	100	510	0	305	4	0	0	461	4	0
64	371	100	563	0	305	5	0	0	461	5	0
64	414	100	636	0	305	6	0	0	461	6	0
64	457	100	711	0	305	7	0	0	461	7	0
64	500	100	764	0	305	8	0	0	461	10	0
64	543	100	1037	0	305	9	0	0	461	11	0
64	586	100	1112	0	305	10	0	0	461	12	0
64	629	100	1165	0	305	11	0	0	461	13	0
64	672	100	1240	0	305	12	0	0	461	14	0
64	715	100	1313	0	305	13	0	0	461	15	0
64	758	100	1366	0	305	14	0	0	461	16	0
64	801	100	1441	0	305	15	0	0	461	17	0
64	844	100	1514	0	305	16	0	0	461	20	0
64	887	100	1567	0	305	17	0	0	461	21	0
64	930	100	1642	0	305	18	0	0	461	22	0
64	973	100	1715	0	305	19	0	0	461	23	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
64	1016	100	1770	0	306	0	0	0	462	0	0
64	1059	100	2043	0	306	1	0	0	462	1	0
64	1102	100	2116	0	306	2	0	0	462	2	0
64	1145	100	2171	0	306	3	0	0	462	3	0
64	1188	100	2244	0	306	4	0	0	462	4	0
64	1231	100	2317	0	306	5	0	0	462	5	0
64	1274	100	2372	0	306	6	0	0	462	6	0
64	1317	100	2445	0	306	7	0	0	462	7	0
64	1360	100	2520	0	306	8	0	0	462	10	0
64	1403	100	2573	0	306	9	0	0	462	11	0
64	1446	100	2646	0	306	10	0	0	462	12	0
64	1489	100	2721	0	306	11	0	0	462	13	0
64	1532	100	2774	0	306	12	0	0	462	14	0
64	1575	100	3047	0	306	13	0	0	462	15	0
64	1618	100	3122	0	306	14	0	0	462	16	0
64	1661	100	3175	0	306	15	0	0	462	17	0
64	1704	100	3250	0	306	16	0	0	462	20	0
64	1747	100	3323	0	306	17	0	0	462	21	0
64	1790	100	3376	0	306	18	0	0	462	22	0
64	1833	100	3451	0	306	19	0	0	462	23	0
64	1876	100	3524	0	307	0	0	0	463	0	0
64	1919	100	3577	0	307	1	0	0	463	1	0
64	1962	100	3652	0	307	2	0	0	463	2	0
64	2005	100	3725	0	307	3	0	0	463	3	0
64	2048	100	4000	0	307	4	0	0	463	4	0
64	2091	100	4053	0	307	5	0	0	463	5	0
64	2134	100	4126	0	307	6	0	0	463	6	0
64	2177	100	4201	0	307	7	0	0	463	7	0
64	2220	100	4254	0	307	8	0	0	463	10	0
64	2263	100	4327	0	307	9	0	0	463	11	0
64	2306	100	4402	0	307	10	0	0	463	12	0
64	2349	100	4455	0	307	11	0	0	463	13	0
64	2392	100	4530	0	307	12	0	0	463	14	0
64	2435	100	4603	0	307	13	0	0	463	15	0
64	2478	100	4656	0	307	14	0	0	463	16	0
64	2521	100	4731	0	307	15	0	0	463	17	0
64	2564	100	5004	0	307	16	0	0	463	20	0
64	2607	100	5057	0	307	17	0	0	463	21	0
64	2650	100	5132	0	307	18	0	0	463	22	0
64	2693	100	5205	0	307	19	0	0	463	23	0
64	2736	100	5260	0	308	0	0	0	464	0	0
64	2779	100	5333	0	308	1	0	0	464	1	0
64	2822	100	5406	0	308	2	0	0	464	2	0
64	2865	100	5461	0	308	3	0	0	464	3	0
64	2908	100	5534	0	308	4	0	0	464	4	0
64	2951	100	5607	0	308	5	0	0	464	5	0
64	2994	100	5662	0	308	6	0	0	464	6	0
64	3037	100	5735	0	308	7	0	0	464	7	0
64	3080	100	6010	0	308	8	0	0	464	10	0
64	3123	100	6063	0	308	9	0	0	464	11	0
64	3166	100	6136	0	308	10	0	0	464	12	0
64	3209	100	6211	0	308	11	0	0	464	13	0
64	3252	100	6264	0	308	12	0	0	464	14	0
64	3295	100	6337	0	308	13	0	0	464	15	0
64	3338	100	6412	0	308	14	0	0	464	16	0
64	3381	100	6465	0	308	15	0	0	464	17	0
64	3424	100	6540	0	308	16	0	0	464	20	0
64	3467	100	6613	0	308	17	0	0	464	21	0
64	3510	100	6666	0	308	18	0	0	464	22	0
64	3553	100	6741	0	308	19	0	0	464	23	0
64	3596	100	7014	0	309	0	0	0	465	0	0
64	3639	100	7067	0	309	1	0	0	465	1	0
64	3682	100	7142	0	309	2	0	0	465	2	0
64	3725	100	7215	0	309	3	0	0	465	3	0
64	3768	100	7270	0	309	4	0	0	465	4	0
64	3811	100	7343	0	309	5	0	0	465	5	0
64	3854	100	7416	0	309	6	0	0	465	6	0
64	3897	100	7471	0	309	7	0	0	465	7	0
64	3940	100	7544	0	309	8	0	0	465	10	0
64	3983	100	7617	0	309	9	0	0	465	11	0
64	4026	100	7672	0	309	10	0	0	465	12	0
64	4069	100	7745	0	309	11	0	0	465	13	0
65	16	101	20	0	309	12	0	0	465	14	0
65	59	101	73	0	309	13	0	0	465	15	0
65	102	101	146	0	309	14	0	0	465	16	0
65	145	101	221	0	309	15	0	0	465	17	0
65	188	101	274	0	309	16	0	0	465	20	0
65	231	101	347	0	309	17	0	0	465	21	0
65	274	101	422	0	309	18	0	0	465	22	0
65	317	101	475	0	309	19	0	0	465	23	0
65	360	101	550	0	310	0	0	0	466	0	0
65	403	101	623	0	310	1	0	0	466	1	0
65	446	101	676	0	310	2	0	0	466	2	0
65	489	101	751	0	310	3	0	0	466	3	0
65	532	101	1024	0	310	4	0	0	466	4	0
65	575	101	1077	0	310	5	0	0	466	5	0
65	618	101	1152	0	310	6	0	0	466	6	0
65	661	101	1225	0	310	7	0	0	466	7	0
65	704	101	1300	0	310	8	0	0	466	10	0
65	747	101	1353	0	310	9	0	0	466	11	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
65	790	101	1426	0	310	10	0	0	466	12	0
65	833	101	1501	0	310	11	0	0	466	13	0
65	876	101	1554	0	310	12	0	0	466	14	0
65	919	101	1627	0	310	13	0	0	466	15	0
65	962	101	1702	0	310	14	0	0	466	16	0
65	1005	101	1755	0	310	15	0	0	466	17	0
65	1048	101	2030	0	310	16	0	0	466	20	0
65	1091	101	2103	0	310	17	0	0	466	21	0
65	1134	101	2156	0	310	18	0	0	466	22	0
65	1177	101	2231	0	310	19	0	0	466	23	0
65	1220	101	2304	0	311	0	0	0	467	0	0
65	1263	101	2357	0	311	1	0	0	467	1	0
65	1306	101	2432	0	311	2	0	0	467	2	0
65	1349	101	2505	0	311	3	0	0	467	3	0
65	1392	101	2560	0	311	4	0	0	467	4	0
65	1435	101	2633	0	311	5	0	0	467	5	0
65	1478	101	2706	0	311	6	0	0	467	6	0
65	1521	101	2761	0	311	7	0	0	467	7	0
65	1564	101	3034	0	311	8	0	0	467	10	0
65	1607	101	3107	0	311	9	0	0	467	11	0
65	1650	101	3162	0	311	10	0	0	467	12	0
65	1693	101	3235	0	311	11	0	0	467	13	0
65	1736	101	3310	0	311	12	0	0	467	14	0
65	1779	101	3363	0	311	13	0	0	467	15	0
65	1822	101	3436	0	311	14	0	0	467	16	0
65	1865	101	3511	0	311	15	0	0	467	17	0
65	1908	101	3564	0	311	16	0	0	467	20	0
65	1951	101	3637	0	311	17	0	0	467	21	0
65	1994	101	3712	0	311	18	0	0	467	22	0
65	2037	101	3765	0	311	19	0	0	467	23	0
65	2080	101	4040	0	312	0	0	0	470	0	0
65	2123	101	4113	0	312	1	0	0	470	1	0
65	2166	101	4166	0	312	2	0	0	470	2	0
65	2209	101	4241	0	312	3	0	0	470	3	0
65	2252	101	4314	0	312	4	0	0	470	4	0
65	2295	101	4367	0	312	5	0	0	470	5	0
65	2338	101	4442	0	312	6	0	0	470	6	0
65	2381	101	4515	0	312	7	0	0	470	7	0
65	2424	101	4570	0	312	8	0	0	470	10	0
65	2467	101	4643	0	312	9	0	0	470	11	0
65	2510	101	4716	0	312	10	0	0	470	12	0
65	2553	101	4771	0	312	11	0	0	470	13	0
65	2596	101	5044	0	312	12	0	0	470	14	0
65	2639	101	5117	0	312	13	0	0	470	15	0
65	2682	101	5172	0	312	14	0	0	470	16	0
65	2725	101	5245	0	312	15	0	0	470	17	0
65	2768	101	5320	0	312	16	0	0	470	20	0
65	2811	101	5373	0	312	17	0	0	470	21	0
65	2854	101	5446	0	312	18	0	0	470	22	0
65	2897	101	5521	0	312	19	0	0	470	23	0
65	2940	101	5574	0	313	0	0	0	471	0	0
65	2983	101	5647	0	313	1	0	0	471	1	0
65	3026	101	5722	0	313	2	0	0	471	2	0
65	3069	101	5775	0	313	3	0	0	471	3	0
65	3112	101	6050	0	313	4	0	0	471	4	0
65	3155	101	6123	0	313	5	0	0	471	5	0
65	3198	101	6176	0	313	6	0	0	471	6	0
65	3241	101	6251	0	313	7	0	0	471	7	0
65	3284	101	6324	0	313	8	0	0	471	10	0
65	3327	101	6377	0	313	9	0	0	471	11	0
65	3370	101	6452	0	313	10	0	0	471	12	0
65	3413	101	6525	0	313	11	0	0	471	13	0
65	3456	101	6600	0	313	12	0	0	471	14	0
65	3499	101	6653	0	313	13	0	0	471	15	0
65	3542	101	6726	0	313	14	0	0	471	16	0
65	3585	101	7001	0	313	15	0	0	471	17	0
65	3628	101	7054	0	313	16	0	0	471	20	0
65	3671	101	7127	0	313	17	0	0	471	21	0
65	3714	101	7202	0	313	18	0	0	471	22	0
65	3757	101	7255	0	313	19	0	0	471	23	0
65	3800	101	7330	0	314	0	0	0	472	0	0
65	3843	101	7403	0	314	1	0	0	472	1	0
65	3886	101	7456	0	314	2	0	0	472	2	0
65	3929	101	7531	0	314	3	0	0	472	3	0
65	3972	101	7604	0	314	4	0	0	472	4	0
65	4015	101	7657	0	314	5	0	0	472	5	0
65	4058	101	7732	0	314	6	0	0	472	6	0
66	5	102	5	0	314	7	0	0	472	7	0
66	48	102	60	0	314	8	0	0	472	10	0
66	91	102	133	0	314	9	0	0	472	11	0
66	134	102	206	0	314	10	0	0	472	12	0
66	177	102	261	0	314	11	0	0	472	13	0
66	220	102	334	0	314	12	0	0	472	14	0
66	263	102	407	0	314	13	0	0	472	15	0
66	306	102	462	0	314	14	0	0	472	16	0
66	349	102	535	0	314	15	0	0	472	17	0
66	392	102	610	0	314	16	0	0	472	20	0
66	435	102	663	0	314	17	0	0	472	21	0
66	478	102	736	0	314	18	0	0	472	22	0
66	521	102	1011	0	314	19	0	0	472	23	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
66	564	102	1064	0	315	0	0	0	473	0	0
66	607	102	1137	0	315	1	0	0	473	1	0
66	650	102	1212	0	315	2	0	0	473	2	0
66	693	102	1265	0	315	3	0	0	473	3	0
66	736	102	1340	0	315	4	0	0	473	4	0
66	779	102	1413	0	315	5	0	0	473	5	0
66	822	102	1466	0	315	6	0	0	473	6	0
66	865	102	1541	0	315	7	0	0	473	7	0
66	908	102	1614	0	315	8	0	0	473	10	0
66	951	102	1667	0	315	9	0	0	473	11	0
66	994	102	1742	0	315	10	0	0	473	12	0
66	1037	102	2015	0	315	11	0	0	473	13	0
66	1080	102	2070	0	315	12	0	0	473	14	0
66	1123	102	2143	0	315	13	0	0	473	15	0
66	1166	102	2216	0	315	14	0	0	473	16	0
66	1209	102	2271	0	315	15	0	0	473	17	0
66	1252	102	2344	0	315	16	0	0	473	20	0
66	1295	102	2417	0	315	17	0	0	473	21	0
66	1338	102	2472	0	315	18	0	0	473	22	0
66	1381	102	2545	0	315	19	0	0	473	23	0
66	1424	102	2620	0	316	0	0	0	474	0	0
66	1467	102	2673	0	316	1	0	0	474	1	0
66	1510	102	2746	0	316	2	0	0	474	2	0
66	1553	102	3021	0	316	3	0	0	474	3	0
66	1596	102	3074	0	316	4	0	0	474	4	0
66	1639	102	3147	0	316	5	0	0	474	5	0
66	1682	102	3222	0	316	6	0	0	474	6	0
66	1725	102	3275	0	316	7	0	0	474	7	0
66	1768	102	3350	0	316	8	0	0	474	10	0
66	1811	102	3423	0	316	9	0	0	474	11	0
66	1854	102	3476	0	316	10	0	0	474	12	0
66	1897	102	3551	0	316	11	0	0	474	13	0
66	1940	102	3624	0	316	12	0	0	474	14	0
66	1983	102	3677	0	316	13	0	0	474	15	0
66	2026	102	3752	0	316	14	0	0	474	16	0
66	2069	102	4025	0	316	15	0	0	474	17	0
66	2112	102	4100	0	316	16	0	0	474	20	0
66	2155	102	4153	0	316	17	0	0	474	21	0
66	2198	102	4226	0	316	18	0	0	474	22	0
66	2241	102	4301	0	316	19	0	0	474	23	0
66	2284	102	4354	0	317	0	0	0	475	0	0
66	2327	102	4427	0	317	1	0	0	475	1	0
66	2370	102	4502	0	317	2	0	0	475	2	0
66	2413	102	4555	0	317	3	0	0	475	3	0
66	2456	102	4630	0	317	4	0	0	475	4	0
66	2499	102	4703	0	317	5	0	0	475	5	0
66	2542	102	4756	0	317	6	0	0	475	6	0
66	2585	102	5031	0	317	7	0	0	475	7	0
66	2628	102	5104	0	317	8	0	0	475	10	0
66	2671	102	5157	0	317	9	0	0	475	11	0
66	2714	102	5232	0	317	10	0	0	475	12	0
66	2757	102	5305	0	317	11	0	0	475	13	0
66	2800	102	5360	0	317	12	0	0	475	14	0
66	2843	102	5433	0	317	13	0	0	475	15	0
66	2886	102	5506	0	317	14	0	0	475	16	0
66	2929	102	5561	0	317	15	0	0	475	17	0
66	2972	102	5634	0	317	16	0	0	475	20	0
66	3015	102	5707	0	317	17	0	0	475	21	0
66	3058	102	5762	0	317	18	0	0	475	22	0
66	3101	102	6035	0	317	19	0	0	475	23	0
66	3144	102	6110	0	318	0	0	0	476	0	0
66	3187	102	6163	0	318	1	0	0	476	1	0
66	3230	102	6236	0	318	2	0	0	476	2	0
66	3273	102	6311	0	318	3	0	0	476	3	0
66	3316	102	6364	0	318	4	0	0	476	4	0
66	3359	102	6437	0	318	5	0	0	476	5	0
66	3402	102	6512	0	318	6	0	0	476	6	0
66	3445	102	6565	0	318	7	0	0	476	7	0
66	3488	102	6640	0	318	8	0	0	476	10	0
66	3531	102	6713	0	318	9	0	0	476	11	0
66	3574	102	6766	0	318	10	0	0	476	12	0
66	3617	102	7041	0	318	11	0	0	476	13	0
66	3660	102	7114	0	318	12	0	0	476	14	0
66	3703	102	7167	0	318	13	0	0	476	15	0
66	3746	102	7242	0	318	14	0	0	476	16	0
66	3789	102	7315	0	318	15	0	0	476	17	0
66	3832	102	7370	0	318	16	0	0	476	20	0
66	3875	102	7443	0	318	17	0	0	476	21	0
66	3918	102	7516	0	318	18	0	0	476	22	0
66	3961	102	7571	0	318	19	0	0	476	23	0
66	4004	102	7644	0	319	0	0	0	477	0	0
66	4047	102	7717	0	319	1	0	0	477	1	0
66	4090	102	7772	0	319	2	0	0	477	2	0
67	37	103	45	0	319	3	0	0	477	3	0
67	80	103	120	0	319	4	0	0	477	4	0
67	123	103	173	0	319	5	0	0	477	5	0
67	166	103	246	0	319	6	0	0	477	6	0
67	209	103	321	0	319	7	0	0	477	7	0
67	252	103	374	0	319	8	0	0	477	10	0
67	295	103	447	0	319	9	0	0	477	11	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
67	338	103	522	0	319	10	0	0	477	12	0
67	381	103	575	0	319	11	0	0	477	13	0
67	424	103	650	0	319	12	0	0	477	14	0
67	467	103	723	0	319	13	0	0	477	15	0
67	510	103	776	0	319	14	0	0	477	16	0
67	553	103	1051	0	319	15	0	0	477	17	0
67	596	103	1124	0	319	16	0	0	477	20	0
67	639	103	1177	0	319	17	0	0	477	21	0
67	682	103	1252	0	319	18	0	0	477	22	0
67	725	103	1325	0	319	19	0	0	477	23	0
67	768	103	1400	0	320	0	0	0	500	0	0
67	811	103	1453	0	320	1	0	0	500	1	0
67	854	103	1526	0	320	2	0	0	500	2	0
67	897	103	1601	0	320	3	0	0	500	3	0
67	940	103	1654	0	320	4	0	0	500	4	0
67	983	103	1727	0	320	5	0	0	500	5	0
67	1026	103	2002	0	320	6	0	0	500	6	0
67	1069	103	2055	0	320	7	0	0	500	7	0
67	1112	103	2130	0	320	8	0	0	500	10	0
67	1155	103	2203	0	320	9	0	0	500	11	0
67	1198	103	2256	0	320	10	0	0	500	12	0
67	1241	103	2331	0	320	11	0	0	500	13	0
67	1284	103	2404	0	320	12	0	0	500	14	0
67	1327	103	2457	0	320	13	0	0	500	15	0
67	1370	103	2532	0	320	14	0	0	500	16	0
67	1413	103	2605	0	320	15	0	0	500	17	0
67	1456	103	2660	0	320	16	0	0	500	20	0
67	1499	103	2733	0	320	17	0	0	500	21	0
67	1542	103	3006	0	320	18	0	0	500	22	0
67	1585	103	3061	0	320	19	0	0	500	23	0
67	1628	103	3134	0	321	0	0	0	501	0	0
67	1671	103	3207	0	321	1	0	0	501	1	0
67	1714	103	3262	0	321	2	0	0	501	2	0
67	1757	103	3335	0	321	3	0	0	501	3	0
67	1800	103	3410	0	321	4	0	0	501	4	0
67	1843	103	3463	0	321	5	0	0	501	5	0
67	1886	103	3536	0	321	6	0	0	501	6	0
67	1929	103	3611	0	321	7	0	0	501	7	0
67	1972	103	3664	0	321	8	0	0	501	10	0
67	2015	103	3737	0	321	9	0	0	501	11	0
67	2058	103	4012	0	321	10	0	0	501	12	0
67	2101	103	4065	0	321	11	0	0	501	13	0
67	2144	103	4140	0	321	12	0	0	501	14	0
67	2187	103	4213	0	321	13	0	0	501	15	0
67	2230	103	4266	0	321	14	0	0	501	16	0
67	2273	103	4341	0	321	15	0	0	501	17	0
67	2316	103	4414	0	321	16	0	0	501	20	0
67	2359	103	4467	0	321	17	0	0	501	21	0
67	2402	103	4542	0	321	18	0	0	501	22	0
67	2445	103	4615	0	321	19	0	0	501	23	0
67	2488	103	4670	0	322	0	0	0	502	0	0
67	2531	103	4743	0	322	1	0	0	502	1	0
67	2574	103	5016	0	322	2	0	0	502	2	0
67	2617	103	5071	0	322	3	0	0	502	3	0
67	2660	103	5144	0	322	4	0	0	502	4	0
67	2703	103	5217	0	322	5	0	0	502	5	0
67	2746	103	5272	0	322	6	0	0	502	6	0
67	2789	103	5345	0	322	7	0	0	502	7	0
67	2832	103	5420	0	322	8	0	0	502	10	0
67	2875	103	5473	0	322	9	0	0	502	11	0
67	2918	103	5546	0	322	10	0	0	502	12	0
67	2961	103	5621	0	322	11	0	0	502	13	0
67	3004	103	5674	0	322	12	0	0	502	14	0
67	3047	103	5747	0	322	13	0	0	502	15	0
67	3090	103	6022	0	322	14	0	0	502	16	0
67	3133	103	6075	0	322	15	0	0	502	17	0
67	3176	103	6150	0	322	16	0	0	502	20	0
67	3219	103	6223	0	322	17	0	0	502	21	0
67	3262	103	6276	0	322	18	0	0	502	22	0
67	3305	103	6351	0	322	19	0	0	502	23	0
67	3348	103	6424	0	323	0	0	0	503	0	0
67	3391	103	6477	0	323	1	0	0	503	1	0
67	3434	103	6552	0	323	2	0	0	503	2	0
67	3477	103	6625	0	323	3	0	0	503	3	0
67	3520	103	6700	0	323	4	0	0	503	4	0
67	3563	103	6753	0	323	5	0	0	503	5	0
67	3606	103	7026	0	323	6	0	0	503	6	0
67	3649	103	7101	0	323	7	0	0	503	7	0
67	3692	103	7154	0	323	8	0	0	503	10	0
67	3735	103	7227	0	323	9	0	0	503	11	0
67	3778	103	7302	0	323	10	0	0	503	12	0
67	3821	103	7355	0	323	11	0	0	503	13	0
67	3864	103	7430	0	323	12	0	0	503	14	0
67	3907	103	7503	0	323	13	0	0	503	15	0
67	3950	103	7556	0	323	14	0	0	503	16	0
67	3993	103	7631	0	323	15	0	0	503	17	0
67	4036	103	7704	0	323	16	0	0	503	20	0
67	4079	103	7757	0	323	17	0	0	503	21	0
68	26	104	32	0	323	18	0	0	503	22	0
68	69	104	105	0	323	19	0	0	503	23	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
68	112	104	160	0	324	0	0	0	504	0	0
68	155	104	233	0	324	1	0	0	504	1	0
68	198	104	306	0	324	2	0	0	504	2	0
68	241	104	361	0	324	3	0	0	504	3	0
68	284	104	434	0	324	4	0	0	504	4	0
68	327	104	507	0	324	5	0	0	504	5	0
68	370	104	562	0	324	6	0	0	504	6	0
68	413	104	635	0	324	7	0	0	504	7	0
68	456	104	710	0	324	8	0	0	504	10	0
68	499	104	763	0	324	9	0	0	504	11	0
68	542	104	1036	0	324	10	0	0	504	12	0
68	585	104	1111	0	324	11	0	0	504	13	0
68	628	104	1164	0	324	12	0	0	504	14	0
68	671	104	1237	0	324	13	0	0	504	15	0
68	714	104	1312	0	324	14	0	0	504	16	0
68	757	104	1365	0	324	15	0	0	504	17	0
68	800	104	1440	0	324	16	0	0	504	20	0
68	843	104	1513	0	324	17	0	0	504	21	0
68	886	104	1566	0	324	18	0	0	504	22	0
68	929	104	1641	0	324	19	0	0	504	23	0
68	972	104	1714	0	325	0	0	0	505	0	0
68	1015	104	1767	0	325	1	0	0	505	1	0
68	1058	104	2042	0	325	2	0	0	505	2	0
68	1101	104	2115	0	325	3	0	0	505	3	0
68	1144	104	2170	0	325	4	0	0	505	4	0
68	1187	104	2243	0	325	5	0	0	505	5	0
68	1230	104	2316	0	325	6	0	0	505	6	0
68	1273	104	2371	0	325	7	0	0	505	7	0
68	1316	104	2444	0	325	8	0	0	505	10	0
68	1359	104	2517	0	325	9	0	0	505	11	0
68	1402	104	2572	0	325	10	0	0	505	12	0
68	1445	104	2645	0	325	11	0	0	505	13	0
68	1488	104	2720	0	325	12	0	0	505	14	0
68	1531	104	2773	0	325	13	0	0	505	15	0
68	1574	104	3046	0	325	14	0	0	505	16	0
68	1617	104	3121	0	325	15	0	0	505	17	0
68	1660	104	3174	0	325	16	0	0	505	20	0
68	1703	104	3247	0	325	17	0	0	505	21	0
68	1746	104	3322	0	325	18	0	0	505	22	0
68	1789	104	3375	0	325	19	0	0	505	23	0
68	1832	104	3450	0	326	0	0	0	506	0	0
68	1875	104	3523	0	326	1	0	0	506	1	0
68	1918	104	3576	0	326	2	0	0	506	2	0
68	1961	104	3651	0	326	3	0	0	506	3	0
68	2004	104	3724	0	326	4	0	0	506	4	0
68	2047	104	3777	0	326	5	0	0	506	5	0
68	2090	104	4052	0	326	6	0	0	506	6	0
68	2133	104	4125	0	326	7	0	0	506	7	0
68	2176	104	4200	0	326	8	0	0	506	10	0
68	2219	104	4253	0	326	9	0	0	506	11	0
68	2262	104	4326	0	326	10	0	0	506	12	0
68	2305	104	4401	0	326	11	0	0	506	13	0
68	2348	104	4454	0	326	12	0	0	506	14	0
68	2391	104	4527	0	326	13	0	0	506	15	0
68	2434	104	4602	0	326	14	0	0	506	16	0
68	2477	104	4655	0	326	15	0	0	506	17	0
68	2520	104	4730	0	326	16	0	0	506	20	0
68	2563	104	5003	0	326	17	0	0	506	21	0
68	2606	104	5056	0	326	18	0	0	506	22	0
68	2649	104	5131	0	326	19	0	0	506	23	0
68	2692	104	5204	0	327	0	0	0	507	0	0
68	2735	104	5257	0	327	1	0	0	507	1	0
68	2778	104	5332	0	327	2	0	0	507	2	0
68	2821	104	5405	0	327	3	0	0	507	3	0
68	2864	104	5460	0	327	4	0	0	507	4	0
68	2907	104	5533	0	327	5	0	0	507	5	0
68	2950	104	5606	0	327	6	0	0	507	6	0
68	2993	104	5661	0	327	7	0	0	507	7	0
68	3036	104	5734	0	327	8	0	0	507	10	0
68	3079	104	6007	0	327	9	0	0	507	11	0
68	3122	104	6062	0	327	10	0	0	507	12	0
68	3165	104	6135	0	327	11	0	0	507	13	0
68	3208	104	6210	0	327	12	0	0	507	14	0
68	3251	104	6263	0	327	13	0	0	507	15	0
68	3294	104	6336	0	327	14	0	0	507	16	0
68	3337	104	6411	0	327	15	0	0	507	17	0
68	3380	104	6464	0	327	16	0	0	507	20	0
68	3423	104	6537	0	327	17	0	0	507	21	0
68	3466	104	6612	0	327	18	0	0	507	22	0
68	3509	104	6665	0	327	19	0	0	507	23	0
68	3552	104	6740	0	328	0	0	0	510	0	0
68	3595	104	7013	0	328	1	0	0	510	1	0
68	3638	104	7066	0	328	2	0	0	510	2	0
68	3681	104	7141	0	328	3	0	0	510	3	0
68	3724	104	7214	0	328	4	0	0	510	4	0
68	3767	104	7267	0	328	5	0	0	510	5	0
68	3810	104	7342	0	328	6	0	0	510	6	0
68	3853	104	7415	0	328	7	0	0	510	7	0
68	3896	104	7470	0	328	8	0	0	510	10	0
68	3939	104	7543	0	328	9	0	0	510	11	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
68	3982	104	7616	0	328	10	0	0	510	12	0
68	4025	104	7671	0	328	11	0	0	510	13	0
68	4068	104	7744	0	328	12	0	0	510	14	0
69	15	105	17	0	328	13	0	0	510	15	0
69	58	105	72	0	328	14	0	0	510	16	0
69	101	105	145	0	328	15	0	0	510	17	0
69	144	105	220	0	328	16	0	0	510	20	0
69	187	105	273	0	328	17	0	0	510	21	0
69	230	105	346	0	328	18	0	0	510	22	0
69	273	105	421	0	328	19	0	0	510	23	0
69	316	105	474	0	329	0	0	0	511	0	0
69	359	105	547	0	329	1	0	0	511	1	0
69	402	105	622	0	329	2	0	0	511	2	0
69	445	105	675	0	329	3	0	0	511	3	0
69	488	105	750	0	329	4	0	0	511	4	0
69	531	105	1023	0	329	5	0	0	511	5	0
69	574	105	1076	0	329	6	0	0	511	6	0
69	617	105	1151	0	329	7	0	0	511	7	0
69	660	105	1224	0	329	8	0	0	511	10	0
69	703	105	1277	0	329	9	0	0	511	11	0
69	746	105	1352	0	329	10	0	0	511	12	0
69	789	105	1425	0	329	11	0	0	511	13	0
69	832	105	1500	0	329	12	0	0	511	14	0
69	875	105	1553	0	329	13	0	0	511	15	0
69	918	105	1626	0	329	14	0	0	511	16	0
69	961	105	1701	0	329	15	0	0	511	17	0
69	1004	105	1754	0	329	16	0	0	511	20	0
69	1047	105	2027	0	329	17	0	0	511	21	0
69	1090	105	2102	0	329	18	0	0	511	22	0
69	1133	105	2155	0	329	19	0	0	511	23	0
69	1176	105	2230	0	330	0	0	0	512	0	0
69	1219	105	2303	0	330	1	0	0	512	1	0
69	1262	105	2356	0	330	2	0	0	512	2	0
69	1305	105	2431	0	330	3	0	0	512	3	0
69	1348	105	2504	0	330	4	0	0	512	4	0
69	1391	105	2557	0	330	5	0	0	512	5	0
69	1434	105	2632	0	330	6	0	0	512	6	0
69	1477	105	2705	0	330	7	0	0	512	7	0
69	1520	105	2760	0	330	8	0	0	512	10	0
69	1563	105	3033	0	330	9	0	0	512	11	0
69	1606	105	3106	0	330	10	0	0	512	12	0
69	1649	105	3161	0	330	11	0	0	512	13	0
69	1692	105	3234	0	330	12	0	0	512	14	0
69	1735	105	3307	0	330	13	0	0	512	15	0
69	1778	105	3362	0	330	14	0	0	512	16	0
69	1821	105	3435	0	330	15	0	0	512	17	0
69	1864	105	3510	0	330	16	0	0	512	20	0
69	1907	105	3563	0	330	17	0	0	512	21	0
69	1950	105	3636	0	330	18	0	0	512	22	0
69	1993	105	3711	0	330	19	0	0	512	23	0
69	2036	105	3764	0	331	0	0	0	513	0	0
69	2079	105	4037	0	331	1	0	0	513	1	0
69	2122	105	4112	0	331	2	0	0	513	2	0
69	2165	105	4165	0	331	3	0	0	513	3	0
69	2208	105	4240	0	331	4	0	0	513	4	0
69	2251	105	4313	0	331	5	0	0	513	5	0
69	2294	105	4366	0	331	6	0	0	513	6	0
69	2337	105	4441	0	331	7	0	0	513	7	0
69	2380	105	4514	0	331	8	0	0	513	10	0
69	2423	105	4567	0	331	9	0	0	513	11	0
69	2466	105	4642	0	331	10	0	0	513	12	0
69	2509	105	4715	0	331	11	0	0	513	13	0
69	2552	105	4770	0	331	12	0	0	513	14	0
69	2595	105	5043	0	331	13	0	0	513	15	0
69	2638	105	5116	0	331	14	0	0	513	16	0
69	2681	105	5171	0	331	15	0	0	513	17	0
69	2724	105	5244	0	331	16	0	0	513	20	0
69	2767	105	5317	0	331	17	0	0	513	21	0
69	2810	105	5372	0	331	18	0	0	513	22	0
69	2853	105	5445	0	331	19	0	0	513	23	0
69	2896	105	5520	0	332	0	0	0	514	0	0
69	2939	105	5573	0	332	1	0	0	514	1	0
69	2982	105	5646	0	332	2	0	0	514	2	0
69	3025	105	5721	0	332	3	0	0	514	3	0
69	3068	105	5774	0	332	4	0	0	514	4	0
69	3111	105	6047	0	332	5	0	0	514	5	0
69	3154	105	6122	0	332	6	0	0	514	6	0
69	3197	105	6175	0	332	7	0	0	514	7	0
69	3240	105	6250	0	332	8	0	0	514	10	0
69	3283	105	6323	0	332	9	0	0	514	11	0
69	3326	105	6376	0	332	10	0	0	514	12	0
69	3369	105	6451	0	332	11	0	0	514	13	0
69	3412	105	6524	0	332	12	0	0	514	14	0
69	3455	105	6577	0	332	13	0	0	514	15	0
69	3498	105	6652	0	332	14	0	0	514	16	0
69	3541	105	6725	0	332	15	0	0	514	17	0
69	3584	105	7000	0	332	16	0	0	514	20	0
69	3627	105	7053	0	332	17	0	0	514	21	0
69	3670	105	7126	0	332	18	0	0	514	22	0
69	3713	105	7201	0	332	19	0	0	514	23	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
69	3756	105	7254	0	333	0	0	0	515	0	0
69	3799	105	7327	0	333	1	0	0	515	1	0
69	3842	105	7402	0	333	2	0	0	515	2	0
69	3885	105	7455	0	333	3	0	0	515	3	0
69	3928	105	7530	0	333	4	0	0	515	4	0
69	3971	105	7603	0	333	5	0	0	515	5	0
69	4014	105	7656	0	333	6	0	0	515	6	0
69	4057	105	7731	0	333	7	0	0	515	7	0
70	4	106	4	0	333	8	0	0	515	10	0
70	47	106	57	0	333	9	0	0	515	11	0
70	90	106	132	0	333	10	0	0	515	12	0
70	133	106	205	0	333	11	0	0	515	13	0
70	176	106	260	0	333	12	0	0	515	14	0
70	219	106	333	0	333	13	0	0	515	15	0
70	262	106	406	0	333	14	0	0	515	16	0
70	305	106	461	0	333	15	0	0	515	17	0
70	348	106	534	0	333	16	0	0	515	20	0
70	391	106	607	0	333	17	0	0	515	21	0
70	434	106	662	0	333	18	0	0	515	22	0
70	477	106	735	0	333	19	0	0	515	23	0
70	520	106	1010	0	334	0	0	0	516	0	0
70	563	106	1063	0	334	1	0	0	516	1	0
70	606	106	1136	0	334	2	0	0	516	2	0
70	649	106	1211	0	334	3	0	0	516	3	0
70	692	106	1264	0	334	4	0	0	516	4	0
70	735	106	1337	0	334	5	0	0	516	5	0
70	778	106	1412	0	334	6	0	0	516	6	0
70	821	106	1465	0	334	7	0	0	516	7	0
70	864	106	1540	0	334	8	0	0	516	10	0
70	907	106	1613	0	334	9	0	0	516	11	0
70	950	106	1666	0	334	10	0	0	516	12	0
70	993	106	1741	0	334	11	0	0	516	13	0
70	1036	106	2014	0	334	12	0	0	516	14	0
70	1079	106	2067	0	334	13	0	0	516	15	0
70	1122	106	2142	0	334	14	0	0	516	16	0
70	1165	106	2215	0	334	15	0	0	516	17	0
70	1208	106	2270	0	334	16	0	0	516	20	0
70	1251	106	2343	0	334	17	0	0	516	21	0
70	1294	106	2416	0	334	18	0	0	516	22	0
70	1337	106	2471	0	334	19	0	0	516	23	0
70	1380	106	2544	0	335	0	0	0	517	0	0
70	1423	106	2617	0	335	1	0	0	517	1	0
70	1466	106	2672	0	335	2	0	0	517	2	0
70	1509	106	2745	0	335	3	0	0	517	3	0
70	1552	106	3020	0	335	4	0	0	517	4	0
70	1595	106	3073	0	335	5	0	0	517	5	0
70	1638	106	3146	0	335	6	0	0	517	6	0
70	1681	106	3221	0	335	7	0	0	517	7	0
70	1724	106	3274	0	335	8	0	0	517	10	0
70	1767	106	3347	0	335	9	0	0	517	11	0
70	1810	106	3422	0	335	10	0	0	517	12	0
70	1853	106	3475	0	335	11	0	0	517	13	0
70	1896	106	3550	0	335	12	0	0	517	14	0
70	1939	106	3623	0	335	13	0	0	517	15	0
70	1982	106	3676	0	335	14	0	0	517	16	0
70	2025	106	3751	0	335	15	0	0	517	17	0
70	2068	106	4024	0	335	16	0	0	517	20	0
70	2111	106	4077	0	335	17	0	0	517	21	0
70	2154	106	4152	0	335	18	0	0	517	22	0
70	2197	106	4225	0	335	19	0	0	517	23	0
70	2240	106	4300	0	336	0	0	0	520	0	0
70	2283	106	4353	0	336	1	0	0	520	1	0
70	2326	106	4426	0	336	2	0	0	520	2	0
70	2369	106	4501	0	336	3	0	0	520	3	0
70	2412	106	4554	0	336	4	0	0	520	4	0
70	2455	106	4627	0	336	5	0	0	520	5	0
70	2498	106	4702	0	336	6	0	0	520	6	0
70	2541	106	4755	0	336	7	0	0	520	7	0
70	2584	106	5030	0	336	8	0	0	520	10	0
70	2627	106	5103	0	336	9	0	0	520	11	0
70	2670	106	5156	0	336	10	0	0	520	12	0
70	2713	106	5231	0	336	11	0	0	520	13	0
70	2756	106	5304	0	336	12	0	0	520	14	0
70	2799	106	5357	0	336	13	0	0	520	15	0
70	2842	106	5432	0	336	14	0	0	520	16	0
70	2885	106	5505	0	336	15	0	0	520	17	0
70	2928	106	5560	0	336	16	0	0	520	20	0
70	2971	106	5633	0	336	17	0	0	520	21	0
70	3014	106	5706	0	336	18	0	0	520	22	0
70	3057	106	5761	0	336	19	0	0	520	23	0
70	3100	106	6034	0	337	0	0	0	521	0	0
70	3143	106	6107	0	337	1	0	0	521	1	0
70	3186	106	6162	0	337	2	0	0	521	2	0
70	3229	106	6235	0	337	3	0	0	521	3	0
70	3272	106	6310	0	337	4	0	0	521	4	0
70	3315	106	6363	0	337	5	0	0	521	5	0
70	3358	106	6436	0	337	6	0	0	521	6	0
70	3401	106	6511	0	337	7	0	0	521	7	0
70	3444	106	6564	0	337	8	0	0	521	10	0
70	3487	106	6637	0	337	9	0	0	521	11	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
70	3530	106	6712	0	337	10	0	0	521	12	0
70	3573	106	6765	0	337	11	0	0	521	13	0
70	3616	106	7040	0	337	12	0	0	521	14	0
70	3659	106	7113	0	337	13	0	0	521	15	0
70	3702	106	7166	0	337	14	0	0	521	16	0
70	3745	106	7241	0	337	15	0	0	521	17	0
70	3788	106	7314	0	337	16	0	0	521	20	0
70	3831	106	7367	0	337	17	0	0	521	21	0
70	3874	106	7442	0	337	18	0	0	521	22	0
70	3917	106	7515	0	337	19	0	0	521	23	0
70	3960	106	7570	0	338	0	0	0	522	0	0
70	4003	106	7643	0	338	1	0	0	522	1	0
70	4046	106	7716	0	338	2	0	0	522	2	0
70	4089	106	7771	0	338	3	0	0	522	3	0
71	36	107	44	0	338	4	0	0	522	4	0
71	79	107	117	0	338	5	0	0	522	5	0
71	122	107	172	0	338	6	0	0	522	6	0
71	165	107	245	0	338	7	0	0	522	7	0
71	208	107	320	0	338	8	0	0	522	10	0
71	251	107	373	0	338	9	0	0	522	11	0
71	294	107	446	0	338	10	0	0	522	12	0
71	337	107	521	0	338	11	0	0	522	13	0
71	380	107	574	0	338	12	0	0	522	14	0
71	423	107	647	0	338	13	0	0	522	15	0
71	466	107	722	0	338	14	0	0	522	16	0
71	509	107	775	0	338	15	0	0	522	17	0
71	552	107	1050	0	338	16	0	0	522	20	0
71	595	107	1123	0	338	17	0	0	522	21	0
71	638	107	1176	0	338	18	0	0	522	22	0
71	681	107	1251	0	338	19	0	0	522	23	0
71	724	107	1324	0	339	0	0	0	523	0	0
71	767	107	1377	0	339	1	0	0	523	1	0
71	810	107	1452	0	339	2	0	0	523	2	0
71	853	107	1525	0	339	3	0	0	523	3	0
71	896	107	1600	0	339	4	0	0	523	4	0
71	939	107	1653	0	339	5	0	0	523	5	0
71	982	107	1726	0	339	6	0	0	523	6	0
71	1025	107	2001	0	339	7	0	0	523	7	0
71	1068	107	2054	0	339	8	0	0	523	10	0
71	1111	107	2127	0	339	9	0	0	523	11	0
71	1154	107	2202	0	339	10	0	0	523	12	0
71	1197	107	2255	0	339	11	0	0	523	13	0
71	1240	107	2330	0	339	12	0	0	523	14	0
71	1283	107	2403	0	339	13	0	0	523	15	0
71	1326	107	2456	0	339	14	0	0	523	16	0
71	1369	107	2531	0	339	15	0	0	523	17	0
71	1412	107	2604	0	339	16	0	0	523	20	0
71	1455	107	2657	0	339	17	0	0	523	21	0
71	1498	107	2732	0	339	18	0	0	523	22	0
71	1541	107	3005	0	339	19	0	0	523	23	0
71	1584	107	3060	0	340	0	0	0	524	0	0
71	1627	107	3133	0	340	1	0	0	524	1	0
71	1670	107	3206	0	340	2	0	0	524	2	0
71	1713	107	3261	0	340	3	0	0	524	3	0
71	1756	107	3334	0	340	4	0	0	524	4	0
71	1799	107	3407	0	340	5	0	0	524	5	0
71	1842	107	3462	0	340	6	0	0	524	6	0
71	1885	107	3535	0	340	7	0	0	524	7	0
71	1928	107	3610	0	340	8	0	0	524	10	0
71	1971	107	3663	0	340	9	0	0	524	11	0
71	2014	107	3736	0	340	10	0	0	524	12	0
71	2057	107	4011	0	340	11	0	0	524	13	0
71	2100	107	4064	0	340	12	0	0	524	14	0
71	2143	107	4137	0	340	13	0	0	524	15	0
71	2186	107	4212	0	340	14	0	0	524	16	0
71	2229	107	4265	0	340	15	0	0	524	17	0
71	2272	107	4340	0	340	16	0	0	524	20	0
71	2315	107	4413	0	340	17	0	0	524	21	0
71	2358	107	4466	0	340	18	0	0	524	22	0
71	2401	107	4541	0	340	19	0	0	524	23	0
71	2444	107	4614	0	341	0	0	0	525	0	0
71	2487	107	4667	0	341	1	0	0	525	1	0
71	2530	107	4742	0	341	2	0	0	525	2	0
71	2573	107	5015	0	341	3	0	0	525	3	0
71	2616	107	5070	0	341	4	0	0	525	4	0
71	2659	107	5143	0	341	5	0	0	525	5	0
71	2702	107	5216	0	341	6	0	0	525	6	0
71	2745	107	5271	0	341	7	0	0	525	7	0
71	2788	107	5344	0	341	8	0	0	525	10	0
71	2831	107	5417	0	341	9	0	0	525	11	0
71	2874	107	5472	0	341	10	0	0	525	12	0
71	2917	107	5545	0	341	11	0	0	525	13	0
71	2960	107	5620	0	341	12	0	0	525	14	0
71	3003	107	5673	0	341	13	0	0	525	15	0
71	3046	107	5746	0	341	14	0	0	525	16	0
71	3089	107	6021	0	341	15	0	0	525	17	0
71	3132	107	6074	0	341	16	0	0	525	20	0
71	3175	107	6147	0	341	17	0	0	525	21	0
71	3218	107	6222	0	341	18	0	0	525	22	0
71	3261	107	6275	0	341	19	0	0	525	23	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
71	3304	107	6350	0	342	0	0	0	526	0	0
71	3347	107	6423	0	342	1	0	0	526	1	0
71	3390	107	6476	0	342	2	0	0	526	2	0
71	3433	107	6551	0	342	3	0	0	526	3	0
71	3476	107	6624	0	342	4	0	0	526	4	0
71	3519	107	6677	0	342	5	0	0	526	5	0
71	3562	107	6752	0	342	6	0	0	526	6	0
71	3605	107	7025	0	342	7	0	0	526	7	0
71	3648	107	7100	0	342	8	0	0	526	10	0
71	3691	107	7153	0	342	9	0	0	526	11	0
71	3734	107	7226	0	342	10	0	0	526	12	0
71	3777	107	7301	0	342	11	0	0	526	13	0
71	3820	107	7354	0	342	12	0	0	526	14	0
71	3863	107	7427	0	342	13	0	0	526	15	0
71	3906	107	7502	0	342	14	0	0	526	16	0
71	3949	107	7555	0	342	15	0	0	526	17	0
71	3992	107	7630	0	342	16	0	0	526	20	0
71	4035	107	7703	0	342	17	0	0	526	21	0
71	4078	107	7756	0	342	18	0	0	526	22	0
72	25	110	31	0	342	19	0	0	526	23	0
72	68	110	104	0	343	0	0	0	527	0	0
72	111	110	157	0	343	1	0	0	527	1	0
72	154	110	232	0	343	2	0	0	527	2	0
72	197	110	305	0	343	3	0	0	527	3	0
72	240	110	360	0	343	4	0	0	527	4	0
72	283	110	433	0	343	5	0	0	527	5	0
72	326	110	506	0	343	6	0	0	527	6	0
72	369	110	561	0	343	7	0	0	527	7	0
72	412	110	634	0	343	8	0	0	527	10	0
72	455	110	707	0	343	9	0	0	527	11	0
72	498	110	762	0	343	10	0	0	527	12	0
72	541	110	1035	0	343	11	0	0	527	13	0
72	584	110	1110	0	343	12	0	0	527	14	0
72	627	110	1163	0	343	13	0	0	527	15	0
72	670	110	1236	0	343	14	0	0	527	16	0
72	713	110	1311	0	343	15	0	0	527	17	0
72	756	110	1364	0	343	16	0	0	527	20	0
72	799	110	1437	0	343	17	0	0	527	21	0
72	842	110	1512	0	343	18	0	0	527	22	0
72	885	110	1565	0	343	19	0	0	527	23	0
72	928	110	1640	0	344	0	0	0	530	0	0
72	971	110	1713	0	344	1	0	0	530	1	0
72	1014	110	1766	0	344	2	0	0	530	2	0
72	1057	110	2041	0	344	3	0	0	530	3	0
72	1100	110	2114	0	344	4	0	0	530	4	0
72	1143	110	2167	0	344	5	0	0	530	5	0
72	1186	110	2242	0	344	6	0	0	530	6	0
72	1229	110	2315	0	344	7	0	0	530	7	0
72	1272	110	2370	0	344	8	0	0	530	10	0
72	1315	110	2443	0	344	9	0	0	530	11	0
72	1358	110	2516	0	344	10	0	0	530	12	0
72	1401	110	2571	0	344	11	0	0	530	13	0
72	1444	110	2644	0	344	12	0	0	530	14	0
72	1487	110	2717	0	344	13	0	0	530	15	0
72	1530	110	2772	0	344	14	0	0	530	16	0
72	1573	110	3045	0	344	15	0	0	530	17	0
72	1616	110	3120	0	344	16	0	0	530	20	0
72	1659	110	3173	0	344	17	0	0	530	21	0
72	1702	110	3246	0	344	18	0	0	530	22	0
72	1745	110	3321	0	344	19	0	0	530	23	0
72	1788	110	3374	0	345	0	0	0	531	0	0
72	1831	110	3447	0	345	1	0	0	531	1	0
72	1874	110	3522	0	345	2	0	0	531	2	0
72	1917	110	3575	0	345	3	0	0	531	3	0
72	1960	110	3650	0	345	4	0	0	531	4	0
72	2003	110	3723	0	345	5	0	0	531	5	0
72	2046	110	3776	0	345	6	0	0	531	6	0
72	2089	110	4051	0	345	7	0	0	531	7	0
72	2132	110	4124	0	345	8	0	0	531	10	0
72	2175	110	4177	0	345	9	0	0	531	11	0
72	2218	110	4252	0	345	10	0	0	531	12	0
72	2261	110	4325	0	345	11	0	0	531	13	0
72	2304	110	4400	0	345	12	0	0	531	14	0
72	2347	110	4453	0	345	13	0	0	531	15	0
72	2390	110	4526	0	345	14	0	0	531	16	0
72	2433	110	4601	0	345	15	0	0	531	17	0
72	2476	110	4654	0	345	16	0	0	531	20	0
72	2519	110	4727	0	345	17	0	0	531	21	0
72	2562	110	5002	0	345	18	0	0	531	22	0
72	2605	110	5055	0	345	19	0	0	531	23	0
72	2648	110	5130	0	346	0	0	0	532	0	0
72	2691	110	5203	0	346	1	0	0	532	1	0
72	2734	110	5256	0	346	2	0	0	532	2	0
72	2777	110	5331	0	346	3	0	0	532	3	0
72	2820	110	5404	0	346	4	0	0	532	4	0
72	2863	110	5457	0	346	5	0	0	532	5	0
72	2906	110	5532	0	346	6	0	0	532	6	0
72	2949	110	5605	0	346	7	0	0	532	7	0
72	2992	110	5660	0	346	8	0	0	532	10	0
72	3035	110	5733	0	346	9	0	0	532	11	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
72	3078	110	6006	0	346	10	0	0	532	12	0
72	3121	110	6061	0	346	11	0	0	532	13	0
72	3164	110	6134	0	346	12	0	0	532	14	0
72	3207	110	6207	0	346	13	0	0	532	15	0
72	3250	110	6262	0	346	14	0	0	532	16	0
72	3293	110	6335	0	346	15	0	0	532	17	0
72	3336	110	6410	0	346	16	0	0	532	20	0
72	3379	110	6463	0	346	17	0	0	532	21	0
72	3422	110	6536	0	346	18	0	0	532	22	0
72	3465	110	6611	0	346	19	0	0	532	23	0
72	3508	110	6664	0	347	0	0	0	533	0	0
72	3551	110	6737	0	347	1	0	0	533	1	0
72	3594	110	7012	0	347	2	0	0	533	2	0
72	3637	110	7065	0	347	3	0	0	533	3	0
72	3680	110	7140	0	347	4	0	0	533	4	0
72	3723	110	7213	0	347	5	0	0	533	5	0
72	3766	110	7266	0	347	6	0	0	533	6	0
72	3809	110	7341	0	347	7	0	0	533	7	0
72	3852	110	7414	0	347	8	0	0	533	10	0
72	3895	110	7467	0	347	9	0	0	533	11	0
72	3938	110	7542	0	347	10	0	0	533	12	0
72	3981	110	7615	0	347	11	0	0	533	13	0
72	4024	110	7670	0	347	12	0	0	533	14	0
72	4067	110	7743	0	347	13	0	0	533	15	0
73	14	111	16	0	347	14	0	0	533	16	0
73	57	111	71	0	347	15	0	0	533	17	0
73	100	111	144	0	347	16	0	0	533	20	0
73	143	111	217	0	347	17	0	0	533	21	0
73	186	111	272	0	347	18	0	0	533	22	0
73	229	111	345	0	347	19	0	0	533	23	0
73	272	111	420	0	348	0	0	0	534	0	0
73	315	111	473	0	348	1	0	0	534	1	0
73	358	111	546	0	348	2	0	0	534	2	0
73	401	111	621	0	348	3	0	0	534	3	0
73	444	111	674	0	348	4	0	0	534	4	0
73	487	111	747	0	348	5	0	0	534	5	0
73	530	111	1022	0	348	6	0	0	534	6	0
73	573	111	1075	0	348	7	0	0	534	7	0
73	616	111	1150	0	348	8	0	0	534	10	0
73	659	111	1223	0	348	9	0	0	534	11	0
73	702	111	1276	0	348	10	0	0	534	12	0
73	745	111	1351	0	348	11	0	0	534	13	0
73	788	111	1424	0	348	12	0	0	534	14	0
73	831	111	1477	0	348	13	0	0	534	15	0
73	874	111	1552	0	348	14	0	0	534	16	0
73	917	111	1625	0	348	15	0	0	534	17	0
73	960	111	1700	0	348	16	0	0	534	20	0
73	1003	111	1753	0	348	17	0	0	534	21	0
73	1046	111	2026	0	348	18	0	0	534	22	0
73	1089	111	2101	0	348	19	0	0	534	23	0
73	1132	111	2154	0	349	0	0	0	535	0	0
73	1175	111	2227	0	349	1	0	0	535	1	0
73	1218	111	2302	0	349	2	0	0	535	2	0
73	1261	111	2355	0	349	3	0	0	535	3	0
73	1304	111	2430	0	349	4	0	0	535	4	0
73	1347	111	2503	0	349	5	0	0	535	5	0
73	1390	111	2556	0	349	6	0	0	535	6	0
73	1433	111	2631	0	349	7	0	0	535	7	0
73	1476	111	2704	0	349	8	0	0	535	10	0
73	1519	111	2757	0	349	9	0	0	535	11	0
73	1562	111	3032	0	349	10	0	0	535	12	0
73	1605	111	3105	0	349	11	0	0	535	13	0
73	1648	111	3160	0	349	12	0	0	535	14	0
73	1691	111	3233	0	349	13	0	0	535	15	0
73	1734	111	3306	0	349	14	0	0	535	16	0
73	1777	111	3361	0	349	15	0	0	535	17	0
73	1820	111	3434	0	349	16	0	0	535	20	0
73	1863	111	3507	0	349	17	0	0	535	21	0
73	1906	111	3562	0	349	18	0	0	535	22	0
73	1949	111	3635	0	349	19	0	0	535	23	0
73	1992	111	3710	0	350	0	0	0	536	0	0
73	2035	111	3763	0	350	1	0	0	536	1	0
73	2078	111	4036	0	350	2	0	0	536	2	0
73	2121	111	4111	0	350	3	0	0	536	3	0
73	2164	111	4164	0	350	4	0	0	536	4	0
73	2207	111	4237	0	350	5	0	0	536	5	0
73	2250	111	4312	0	350	6	0	0	536	6	0
73	2293	111	4365	0	350	7	0	0	536	7	0
73	2336	111	4440	0	350	8	0	0	536	10	0
73	2379	111	4513	0	350	9	0	0	536	11	0
73	2422	111	4566	0	350	10	0	0	536	12	0
73	2465	111	4641	0	350	11	0	0	536	13	0
73	2508	111	4714	0	350	12	0	0	536	14	0
73	2551	111	4767	0	350	13	0	0	536	15	0
73	2594	111	5042	0	350	14	0	0	536	16	0
73	2637	111	5115	0	350	15	0	0	536	17	0
73	2680	111	5170	0	350	16	0	0	536	20	0
73	2723	111	5243	0	350	17	0	0	536	21	0
73	2766	111	5316	0	350	18	0	0	536	22	0
73	2809	111	5371	0	350	19	0	0	536	23	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
73	2852	111	5444	0	351	0	0	0	537	0	0
73	2895	111	5517	0	351	1	0	0	537	1	0
73	2938	111	5572	0	351	2	0	0	537	2	0
73	2981	111	5645	0	351	3	0	0	537	3	0
73	3024	111	5720	0	351	4	0	0	537	4	0
73	3067	111	5773	0	351	5	0	0	537	5	0
73	3110	111	6046	0	351	6	0	0	537	6	0
73	3153	111	6121	0	351	7	0	0	537	7	0
73	3196	111	6174	0	351	8	0	0	537	10	0
73	3239	111	6247	0	351	9	0	0	537	11	0
73	3282	111	6322	0	351	10	0	0	537	12	0
73	3325	111	6375	0	351	11	0	0	537	13	0
73	3368	111	6450	0	351	12	0	0	537	14	0
73	3411	111	6523	0	351	13	0	0	537	15	0
73	3454	111	6576	0	351	14	0	0	537	16	0
73	3497	111	6651	0	351	15	0	0	537	17	0
73	3540	111	6724	0	351	16	0	0	537	20	0
73	3583	111	6777	0	351	17	0	0	537	21	0
73	3626	111	7052	0	351	18	0	0	537	22	0
73	3669	111	7125	0	351	19	0	0	537	23	0
73	3712	111	7200	0	352	0	0	0	540	0	0
73	3755	111	7253	0	352	1	0	0	540	1	0
73	3798	111	7326	0	352	2	0	0	540	2	0
73	3841	111	7401	0	352	3	0	0	540	3	0
73	3884	111	7454	0	352	4	0	0	540	4	0
73	3927	111	7527	0	352	5	0	0	540	5	0
73	3970	111	7602	0	352	6	0	0	540	6	0
73	4013	111	7655	0	352	7	0	0	540	7	0
73	4056	111	7730	0	352	8	0	0	540	10	0
74	3	112	3	0	352	9	0	0	540	11	0
74	46	112	56	0	352	10	0	0	540	12	0
74	89	112	131	0	352	11	0	0	540	13	0
74	132	112	204	0	352	12	0	0	540	14	0
74	175	112	257	0	352	13	0	0	540	15	0
74	218	112	332	0	352	14	0	0	540	16	0
74	261	112	405	0	352	15	0	0	540	17	0
74	304	112	460	0	352	16	0	0	540	20	0
74	347	112	533	0	352	17	0	0	540	21	0
74	390	112	606	0	352	18	0	0	540	22	0
74	433	112	661	0	352	19	0	0	540	23	0
74	476	112	734	0	353	0	0	0	541	0	0
74	519	112	1007	0	353	1	0	0	541	1	0
74	562	112	1062	0	353	2	0	0	541	2	0
74	605	112	1135	0	353	3	0	0	541	3	0
74	648	112	1210	0	353	4	0	0	541	4	0
74	691	112	1263	0	353	5	0	0	541	5	0
74	734	112	1336	0	353	6	0	0	541	6	0
74	777	112	1411	0	353	7	0	0	541	7	0
74	820	112	1464	0	353	8	0	0	541	10	0
74	863	112	1537	0	353	9	0	0	541	11	0
74	906	112	1612	0	353	10	0	0	541	12	0
74	949	112	1665	0	353	11	0	0	541	13	0
74	992	112	1740	0	353	12	0	0	541	14	0
74	1035	112	2013	0	353	13	0	0	541	15	0
74	1078	112	2066	0	353	14	0	0	541	16	0
74	1121	112	2141	0	353	15	0	0	541	17	0
74	1164	112	2214	0	353	16	0	0	541	20	0
74	1207	112	2267	0	353	17	0	0	541	21	0
74	1250	112	2342	0	353	18	0	0	541	22	0
74	1293	112	2415	0	353	19	0	0	541	23	0
74	1336	112	2470	0	354	0	0	0	542	0	0
74	1379	112	2543	0	354	1	0	0	542	1	0
74	1422	112	2616	0	354	2	0	0	542	2	0
74	1465	112	2671	0	354	3	0	0	542	3	0
74	1508	112	2744	0	354	4	0	0	542	4	0
74	1551	112	3017	0	354	5	0	0	542	5	0
74	1594	112	3072	0	354	6	0	0	542	6	0
74	1637	112	3145	0	354	7	0	0	542	7	0
74	1680	112	3220	0	354	8	0	0	542	10	0
74	1723	112	3273	0	354	9	0	0	542	11	0
74	1766	112	3346	0	354	10	0	0	542	12	0
74	1809	112	3421	0	354	11	0	0	542	13	0
74	1852	112	3474	0	354	12	0	0	542	14	0
74	1895	112	3547	0	354	13	0	0	542	15	0
74	1938	112	3622	0	354	14	0	0	542	16	0
74	1981	112	3675	0	354	15	0	0	542	17	0
74	2024	112	3750	0	354	16	0	0	542	20	0
74	2067	112	4023	0	354	17	0	0	542	21	0
74	2110	112	4076	0	354	18	0	0	542	22	0
74	2153	112	4151	0	354	19	0	0	542	23	0
74	2196	112	4224	0	355	0	0	0	543	0	0
74	2239	112	4277	0	355	1	0	0	543	1	0
74	2282	112	4352	0	355	2	0	0	543	2	0
74	2325	112	4425	0	355	3	0	0	543	3	0
74	2368	112	4500	0	355	4	0	0	543	4	0
74	2411	112	4553	0	355	5	0	0	543	5	0
74	2454	112	4626	0	355	6	0	0	543	6	0
74	2497	112	4701	0	355	7	0	0	543	7	0
74	2540	112	4754	0	355	8	0	0	543	10	0
74	2583	112	5027	0	355	9	0	0	543	11	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
74	2626	112	5102	0	355	10	0	0	543	12	0
74	2669	112	5155	0	355	11	0	0	543	13	0
74	2712	112	5230	0	355	12	0	0	543	14	0
74	2755	112	5303	0	355	13	0	0	543	15	0
74	2798	112	5356	0	355	14	0	0	543	16	0
74	2841	112	5431	0	355	15	0	0	543	17	0
74	2884	112	5504	0	355	16	0	0	543	20	0
74	2927	112	5557	0	355	17	0	0	543	21	0
74	2970	112	5632	0	355	18	0	0	543	22	0
74	3013	112	5705	0	355	19	0	0	543	23	0
74	3056	112	5760	0	356	0	0	0	544	0	0
74	3099	112	6033	0	356	1	0	0	544	1	0
74	3142	112	6106	0	356	2	0	0	544	2	0
74	3185	112	6161	0	356	3	0	0	544	3	0
74	3228	112	6234	0	356	4	0	0	544	4	0
74	3271	112	6307	0	356	5	0	0	544	5	0
74	3314	112	6362	0	356	6	0	0	544	6	0
74	3357	112	6435	0	356	7	0	0	544	7	0
74	3400	112	6510	0	356	8	0	0	544	10	0
74	3443	112	6563	0	356	9	0	0	544	11	0
74	3486	112	6636	0	356	10	0	0	544	12	0
74	3529	112	6711	0	356	11	0	0	544	13	0
74	3572	112	6764	0	356	12	0	0	544	14	0
74	3615	112	7037	0	356	13	0	0	544	15	0
74	3658	112	7112	0	356	14	0	0	544	16	0
74	3701	112	7165	0	356	15	0	0	544	17	0
74	3744	112	7240	0	356	16	0	0	544	20	0
74	3787	112	7313	0	356	17	0	0	544	21	0
74	3830	112	7366	0	356	18	0	0	544	22	0
74	3873	112	7441	0	356	19	0	0	544	23	0
74	3916	112	7514	0	357	0	0	0	545	0	0
74	3959	112	7567	0	357	1	0	0	545	1	0
74	4002	112	7642	0	357	2	0	0	545	2	0
74	4045	112	7715	0	357	3	0	0	545	3	0
74	4088	112	7770	0	357	4	0	0	545	4	0
75	35	113	43	0	357	5	0	0	545	5	0
75	78	113	116	0	357	6	0	0	545	6	0
75	121	113	171	0	357	7	0	0	545	7	0
75	164	113	244	0	357	8	0	0	545	10	0
75	207	113	317	0	357	9	0	0	545	11	0
75	250	113	372	0	357	10	0	0	545	12	0
75	293	113	445	0	357	11	0	0	545	13	0
75	336	113	520	0	357	12	0	0	545	14	0
75	379	113	573	0	357	13	0	0	545	15	0
75	422	113	646	0	357	14	0	0	545	16	0
75	465	113	721	0	357	15	0	0	545	17	0
75	508	113	774	0	357	16	0	0	545	20	0
75	551	113	1047	0	357	17	0	0	545	21	0
75	594	113	1122	0	357	18	0	0	545	22	0
75	637	113	1175	0	357	19	0	0	545	23	0
75	680	113	1250	0	358	0	0	0	546	0	0
75	723	113	1323	0	358	1	0	0	546	1	0
75	766	113	1376	0	358	2	0	0	546	2	0
75	809	113	1451	0	358	3	0	0	546	3	0
75	852	113	1524	0	358	4	0	0	546	4	0
75	895	113	1577	0	358	5	0	0	546	5	0
75	938	113	1652	0	358	6	0	0	546	6	0
75	981	113	1725	0	358	7	0	0	546	7	0
75	1024	113	2000	0	358	8	0	0	546	10	0
75	1067	113	2053	0	358	9	0	0	546	11	0
75	1110	113	2126	0	358	10	0	0	546	12	0
75	1153	113	2201	0	358	11	0	0	546	13	0
75	1196	113	2254	0	358	12	0	0	546	14	0
75	1239	113	2327	0	358	13	0	0	546	15	0
75	1282	113	2402	0	358	14	0	0	546	16	0
75	1325	113	2455	0	358	15	0	0	546	17	0
75	1368	113	2530	0	358	16	0	0	546	20	0
75	1411	113	2603	0	358	17	0	0	546	21	0
75	1454	113	2656	0	358	18	0	0	546	22	0
75	1497	113	2731	0	358	19	0	0	546	23	0
75	1540	113	3004	0	359	0	0	0	547	0	0
75	1583	113	3057	0	359	1	0	0	547	1	0
75	1626	113	3132	0	359	2	0	0	547	2	0
75	1669	113	3205	0	359	3	0	0	547	3	0
75	1712	113	3260	0	359	4	0	0	547	4	0
75	1755	113	3333	0	359	5	0	0	547	5	0
75	1798	113	3406	0	359	6	0	0	547	6	0
75	1841	113	3461	0	359	7	0	0	547	7	0
75	1884	113	3534	0	359	8	0	0	547	10	0
75	1927	113	3607	0	359	9	0	0	547	11	0
75	1970	113	3662	0	359	10	0	0	547	12	0
75	2013	113	3735	0	359	11	0	0	547	13	0
75	2056	113	4010	0	359	12	0	0	547	14	0
75	2099	113	4063	0	359	13	0	0	547	15	0
75	2142	113	4136	0	359	14	0	0	547	16	0
75	2185	113	4211	0	359	15	0	0	547	17	0
75	2228	113	4264	0	359	16	0	0	547	20	0
75	2271	113	4337	0	359	17	0	0	547	21	0
75	2314	113	4412	0	359	18	0	0	547	22	0
75	2357	113	4465	0	359	19	0	0	547	23	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
75	2400	113	4540	0	360	0	0	0	550	0	0
75	2443	113	4613	0	360	1	0	0	550	1	0
75	2486	113	4686	0	360	2	0	0	550	2	0
75	2529	113	4741	0	360	3	0	0	550	3	0
75	2572	113	5014	0	360	4	0	0	550	4	0
75	2615	113	5067	0	360	5	0	0	550	5	0
75	2658	113	5142	0	360	6	0	0	550	6	0
75	2701	113	5215	0	360	7	0	0	550	7	0
75	2744	113	5270	0	360	8	0	0	550	10	0
75	2787	113	5343	0	360	9	0	0	550	11	0
75	2830	113	5416	0	360	10	0	0	550	12	0
75	2873	113	5471	0	360	11	0	0	550	13	0
75	2916	113	5544	0	360	12	0	0	550	14	0
75	2959	113	5617	0	360	13	0	0	550	15	0
75	3002	113	5672	0	360	14	0	0	550	16	0
75	3045	113	5745	0	360	15	0	0	550	17	0
75	3088	113	6020	0	360	16	0	0	550	20	0
75	3131	113	6073	0	360	17	0	0	550	21	0
75	3174	113	6146	0	360	18	0	0	550	22	0
75	3217	113	6221	0	360	19	0	0	550	23	0
75	3260	113	6274	0	361	0	0	0	551	0	0
75	3303	113	6347	0	361	1	0	0	551	1	0
75	3346	113	6422	0	361	2	0	0	551	2	0
75	3389	113	6475	0	361	3	0	0	551	3	0
75	3432	113	6550	0	361	4	0	0	551	4	0
75	3475	113	6623	0	361	5	0	0	551	5	0
75	3518	113	6676	0	361	6	0	0	551	6	0
75	3561	113	6751	0	361	7	0	0	551	7	0
75	3604	113	7024	0	361	8	0	0	551	10	0
75	3647	113	7077	0	361	9	0	0	551	11	0
75	3690	113	7152	0	361	10	0	0	551	12	0
75	3733	113	7225	0	361	11	0	0	551	13	0
75	3776	113	7300	0	361	12	0	0	551	14	0
75	3819	113	7353	0	361	13	0	0	551	15	0
75	3862	113	7426	0	361	14	0	0	551	16	0
75	3905	113	7501	0	361	15	0	0	551	17	0
75	3948	113	7554	0	361	16	0	0	551	20	0
75	3991	113	7627	0	361	17	0	0	551	21	0
75	4034	113	7702	0	361	18	0	0	551	22	0
75	4077	113	7755	0	361	19	0	0	551	23	0
76	24	114	30	0	362	0	0	0	552	0	0
76	67	114	103	0	362	1	0	0	552	1	0
76	110	114	156	0	362	2	0	0	552	2	0
76	153	114	231	0	362	3	0	0	552	3	0
76	196	114	304	0	362	4	0	0	552	4	0
76	239	114	357	0	362	5	0	0	552	5	0
76	282	114	432	0	362	6	0	0	552	6	0
76	325	114	505	0	362	7	0	0	552	7	0
76	368	114	560	0	362	8	0	0	552	10	0
76	411	114	633	0	362	9	0	0	552	11	0
76	454	114	706	0	362	10	0	0	552	12	0
76	497	114	761	0	362	11	0	0	552	13	0
76	540	114	1034	0	362	12	0	0	552	14	0
76	583	114	1107	0	362	13	0	0	552	15	0
76	626	114	1162	0	362	14	0	0	552	16	0
76	669	114	1235	0	362	15	0	0	552	17	0
76	712	114	1310	0	362	16	0	0	552	20	0
76	755	114	1363	0	362	17	0	0	552	21	0
76	798	114	1436	0	362	18	0	0	552	22	0
76	841	114	1511	0	362	19	0	0	552	23	0
76	884	114	1564	0	363	0	0	0	553	0	0
76	927	114	1637	0	363	1	0	0	553	1	0
76	970	114	1712	0	363	2	0	0	553	2	0
76	1013	114	1765	0	363	3	0	0	553	3	0
76	1056	114	2040	0	363	4	0	0	553	4	0
76	1099	114	2113	0	363	5	0	0	553	5	0
76	1142	114	2166	0	363	6	0	0	553	6	0
76	1185	114	2241	0	363	7	0	0	553	7	0
76	1228	114	2314	0	363	8	0	0	553	10	0
76	1271	114	2367	0	363	9	0	0	553	11	0
76	1314	114	2442	0	363	10	0	0	553	12	0
76	1357	114	2515	0	363	11	0	0	553	13	0
76	1400	114	2570	0	363	12	0	0	553	14	0
76	1443	114	2643	0	363	13	0	0	553	15	0
76	1486	114	2716	0	363	14	0	0	553	16	0
76	1529	114	2771	0	363	15	0	0	553	17	0
76	1572	114	3044	0	363	16	0	0	553	20	0
76	1615	114	3117	0	363	17	0	0	553	21	0
76	1658	114	3172	0	363	18	0	0	553	22	0
76	1701	114	3245	0	363	19	0	0	553	23	0
76	1744	114	3320	0	364	0	0	0	554	0	0
76	1787	114	3373	0	364	1	0	0	554	1	0
76	1830	114	3446	0	364	2	0	0	554	2	0
76	1873	114	3521	0	364	3	0	0	554	3	0
76	1916	114	3574	0	364	4	0	0	554	4	0
76	1959	114	3647	0	364	5	0	0	554	5	0
76	2002	114	3722	0	364	6	0	0	554	6	0
76	2045	114	3775	0	364	7	0	0	554	7	0
76	2088	114	4050	0	364	8	0	0	554	10	0
76	2131	114	4123	0	364	9	0	0	554	11	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
76	2174	114	4176	0	364	10	0	0	554	12	0
76	2217	114	4251	0	364	11	0	0	554	13	0
76	2260	114	4324	0	364	12	0	0	554	14	0
76	2303	114	4377	0	364	13	0	0	554	15	0
76	2346	114	4452	0	364	14	0	0	554	16	0
76	2389	114	4525	0	364	15	0	0	554	17	0
76	2432	114	4600	0	364	16	0	0	554	20	0
76	2475	114	4653	0	364	17	0	0	554	21	0
76	2518	114	4726	0	364	18	0	0	554	22	0
76	2561	114	5001	0	364	19	0	0	554	23	0
76	2604	114	5054	0	365	0	0	0	555	0	0
76	2647	114	5127	0	365	1	0	0	555	1	0
76	2690	114	5202	0	365	2	0	0	555	2	0
76	2733	114	5255	0	365	3	0	0	555	3	0
76	2776	114	5330	0	365	4	0	0	555	4	0
76	2819	114	5403	0	365	5	0	0	555	5	0
76	2862	114	5456	0	365	6	0	0	555	6	0
76	2905	114	5531	0	365	7	0	0	555	7	0
76	2948	114	5604	0	365	8	0	0	555	10	0
76	2991	114	5657	0	365	9	0	0	555	11	0
76	3034	114	5732	0	365	10	0	0	555	12	0
76	3077	114	6005	0	365	11	0	0	555	13	0
76	3120	114	6060	0	365	12	0	0	555	14	0
76	3163	114	6133	0	365	13	0	0	555	15	0
76	3206	114	6206	0	365	14	0	0	555	16	0
76	3249	114	6261	0	365	15	0	0	555	17	0
76	3292	114	6334	0	365	16	0	0	555	20	0
76	3335	114	6407	0	365	17	0	0	555	21	0
76	3378	114	6462	0	365	18	0	0	555	22	0
76	3421	114	6535	0	365	19	0	0	555	23	0
76	3464	114	6610	0	366	0	0	0	556	0	0
76	3507	114	6663	0	366	1	0	0	556	1	0
76	3550	114	6736	0	366	2	0	0	556	2	0
76	3593	114	7011	0	366	3	0	0	556	3	0
76	3636	114	7064	0	366	4	0	0	556	4	0
76	3679	114	7137	0	366	5	0	0	556	5	0
76	3722	114	7212	0	366	6	0	0	556	6	0
76	3765	114	7265	0	366	7	0	0	556	7	0
76	3808	114	7340	0	366	8	0	0	556	10	0
76	3851	114	7413	0	366	9	0	0	556	11	0
76	3894	114	7466	0	366	10	0	0	556	12	0
76	3937	114	7541	0	366	11	0	0	556	13	0
76	3980	114	7614	0	366	12	0	0	556	14	0
76	4023	114	7667	0	366	13	0	0	556	15	0
76	4066	114	7742	0	366	14	0	0	556	16	0
77	13	115	15	0	366	15	0	0	556	17	0
77	56	115	70	0	366	16	0	0	556	20	0
77	99	115	143	0	366	17	0	0	556	21	0
77	142	115	216	0	366	18	0	0	556	22	0
77	185	115	271	0	366	19	0	0	556	23	0
77	228	115	344	0	367	0	0	0	557	0	0
77	271	115	417	0	367	1	0	0	557	1	0
77	314	115	472	0	367	2	0	0	557	2	0
77	357	115	545	0	367	3	0	0	557	3	0
77	400	115	620	0	367	4	0	0	557	4	0
77	443	115	673	0	367	5	0	0	557	5	0
77	486	115	746	0	367	6	0	0	557	6	0
77	529	115	1021	0	367	7	0	0	557	7	0
77	572	115	1074	0	367	8	0	0	557	10	0
77	615	115	1147	0	367	9	0	0	557	11	0
77	658	115	1222	0	367	10	0	0	557	12	0
77	701	115	1275	0	367	11	0	0	557	13	0
77	744	115	1350	0	367	12	0	0	557	14	0
77	787	115	1423	0	367	13	0	0	557	15	0
77	830	115	1476	0	367	14	0	0	557	16	0
77	873	115	1551	0	367	15	0	0	557	17	0
77	916	115	1624	0	367	16	0	0	557	20	0
77	959	115	1677	0	367	17	0	0	557	21	0
77	1002	115	1752	0	367	18	0	0	557	22	0
77	1045	115	2025	0	367	19	0	0	557	23	0
77	1088	115	2100	0	368	0	0	0	560	0	0
77	1131	115	2153	0	368	1	0	0	560	1	0
77	1174	115	2226	0	368	2	0	0	560	2	0
77	1217	115	2301	0	368	3	0	0	560	3	0
77	1260	115	2354	0	368	4	0	0	560	4	0
77	1303	115	2427	0	368	5	0	0	560	5	0
77	1346	115	2502	0	368	6	0	0	560	6	0
77	1389	115	2555	0	368	7	0	0	560	7	0
77	1432	115	2630	0	368	8	0	0	560	10	0
77	1475	115	2703	0	368	9	0	0	560	11	0
77	1518	115	2756	0	368	10	0	0	560	12	0
77	1561	115	3031	0	368	11	0	0	560	13	0
77	1604	115	3104	0	368	12	0	0	560	14	0
77	1647	115	3157	0	368	13	0	0	560	15	0
77	1690	115	3232	0	368	14	0	0	560	16	0
77	1733	115	3305	0	368	15	0	0	560	17	0
77	1776	115	3360	0	368	16	0	0	560	20	0
77	1819	115	3433	0	368	17	0	0	560	21	0
77	1862	115	3506	0	368	18	0	0	560	22	0
77	1905	115	3561	0	368	19	0	0	560	23	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
77	1948	115	3634	0	369	0	0	0	561	0	0
77	1991	115	3707	0	369	1	0	0	561	1	0
77	2034	115	3762	0	369	2	0	0	561	2	0
77	2077	115	4035	0	369	3	0	0	561	3	0
77	2120	115	4110	0	369	4	0	0	561	4	0
77	2163	115	4163	0	369	5	0	0	561	5	0
77	2206	115	4236	0	369	6	0	0	561	6	0
77	2249	115	4311	0	369	7	0	0	561	7	0
77	2292	115	4364	0	369	8	0	0	561	10	0
77	2335	115	4437	0	369	9	0	0	561	11	0
77	2378	115	4512	0	369	10	0	0	561	12	0
77	2421	115	4565	0	369	11	0	0	561	13	0
77	2464	115	4640	0	369	12	0	0	561	14	0
77	2507	115	4713	0	369	13	0	0	561	15	0
77	2550	115	4766	0	369	14	0	0	561	16	0
77	2593	115	5041	0	369	15	0	0	561	17	0
77	2636	115	5114	0	369	16	0	0	561	20	0
77	2679	115	5167	0	369	17	0	0	561	21	0
77	2722	115	5242	0	369	18	0	0	561	22	0
77	2765	115	5315	0	369	19	0	0	561	23	0
77	2808	115	5370	0	370	0	0	0	562	0	0
77	2851	115	5443	0	370	1	0	0	562	1	0
77	2894	115	5516	0	370	2	0	0	562	2	0
77	2937	115	5571	0	370	3	0	0	562	3	0
77	2980	115	5644	0	370	4	0	0	562	4	0
77	3023	115	5717	0	370	5	0	0	562	5	0
77	3066	115	5772	0	370	6	0	0	562	6	0
77	3109	115	6045	0	370	7	0	0	562	7	0
77	3152	115	6120	0	370	8	0	0	562	10	0
77	3195	115	6173	0	370	9	0	0	562	11	0
77	3238	115	6246	0	370	10	0	0	562	12	0
77	3281	115	6321	0	370	11	0	0	562	13	0
77	3324	115	6374	0	370	12	0	0	562	14	0
77	3367	115	6447	0	370	13	0	0	562	15	0
77	3410	115	6522	0	370	14	0	0	562	16	0
77	3453	115	6575	0	370	15	0	0	562	17	0
77	3496	115	6650	0	370	16	0	0	562	20	0
77	3539	115	6723	0	370	17	0	0	562	21	0
77	3582	115	6776	0	370	18	0	0	562	22	0
77	3625	115	7051	0	370	19	0	0	562	23	0
77	3668	115	7124	0	371	0	0	0	563	0	0
77	3711	115	7177	0	371	1	0	0	563	1	0
77	3754	115	7252	0	371	2	0	0	563	2	0
77	3797	115	7325	0	371	3	0	0	563	3	0
77	3840	115	7400	0	371	4	0	0	563	4	0
77	3883	115	7453	0	371	5	0	0	563	5	0
77	3926	115	7526	0	371	6	0	0	563	6	0
77	3969	115	7601	0	371	7	0	0	563	7	0
77	4012	115	7654	0	371	8	0	0	563	10	0
77	4055	115	7727	0	371	9	0	0	563	11	0
78	2	116	2	0	371	10	0	0	563	12	0
78	45	116	55	0	371	11	0	0	563	13	0
78	88	116	130	0	371	12	0	0	563	14	0
78	131	116	203	0	371	13	0	0	563	15	0
78	174	116	256	0	371	14	0	0	563	16	0
78	217	116	331	0	371	15	0	0	563	17	0
78	260	116	404	0	371	16	0	0	563	20	0
78	303	116	457	0	371	17	0	0	563	21	0
78	346	116	532	0	371	18	0	0	563	22	0
78	389	116	605	0	371	19	0	0	563	23	0
78	432	116	660	0	372	0	0	0	564	0	0
78	475	116	733	0	372	1	0	0	564	1	0
78	518	116	1006	0	372	2	0	0	564	2	0
78	561	116	1061	0	372	3	0	0	564	3	0
78	604	116	1134	0	372	4	0	0	564	4	0
78	647	116	1207	0	372	5	0	0	564	5	0
78	690	116	1262	0	372	6	0	0	564	6	0
78	733	116	1335	0	372	7	0	0	564	7	0
78	776	116	1410	0	372	8	0	0	564	10	0
78	819	116	1463	0	372	9	0	0	564	11	0
78	862	116	1536	0	372	10	0	0	564	12	0
78	905	116	1611	0	372	11	0	0	564	13	0
78	948	116	1664	0	372	12	0	0	564	14	0
78	991	116	1737	0	372	13	0	0	564	15	0
78	1034	116	2012	0	372	14	0	0	564	16	0
78	1077	116	2065	0	372	15	0	0	564	17	0
78	1120	116	2140	0	372	16	0	0	564	20	0
78	1163	116	2213	0	372	17	0	0	564	21	0
78	1206	116	2266	0	372	18	0	0	564	22	0
78	1249	116	2341	0	372	19	0	0	564	23	0
78	1292	116	2414	0	373	0	0	0	565	0	0
78	1335	116	2467	0	373	1	0	0	565	1	0
78	1378	116	2542	0	373	2	0	0	565	2	0
78	1421	116	2615	0	373	3	0	0	565	3	0
78	1464	116	2670	0	373	4	0	0	565	4	0
78	1507	116	2743	0	373	5	0	0	565	5	0
78	1550	116	3016	0	373	6	0	0	565	6	0
78	1593	116	3071	0	373	7	0	0	565	7	0
78	1636	116	3144	0	373	8	0	0	565	10	0
78	1679	116	3217	0	373	9	0	0	565	11	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
78	1722	116	3272	0	373	10	0	0	565	12	0
78	1765	116	3345	0	373	11	0	0	565	13	0
78	1808	116	3420	0	373	12	0	0	565	14	0
78	1851	116	3473	0	373	13	0	0	565	15	0
78	1894	116	3546	0	373	14	0	0	565	16	0
78	1937	116	3621	0	373	15	0	0	565	17	0
78	1980	116	3674	0	373	16	0	0	565	20	0
78	2023	116	3747	0	373	17	0	0	565	21	0
78	2066	116	4022	0	373	18	0	0	565	22	0
78	2109	116	4075	0	373	19	0	0	565	23	0
78	2152	116	4150	0	374	0	0	0	566	0	0
78	2195	116	4223	0	374	1	0	0	566	1	0
78	2238	116	4276	0	374	2	0	0	566	2	0
78	2281	116	4351	0	374	3	0	0	566	3	0
78	2324	116	4424	0	374	4	0	0	566	4	0
78	2367	116	4477	0	374	5	0	0	566	5	0
78	2410	116	4552	0	374	6	0	0	566	6	0
78	2453	116	4625	0	374	7	0	0	566	7	0
78	2496	116	4700	0	374	8	0	0	566	10	0
78	2539	116	4753	0	374	9	0	0	566	11	0
78	2582	116	5026	0	374	10	0	0	566	12	0
78	2625	116	5101	0	374	11	0	0	566	13	0
78	2668	116	5154	0	374	12	0	0	566	14	0
78	2711	116	5227	0	374	13	0	0	566	15	0
78	2754	116	5302	0	374	14	0	0	566	16	0
78	2797	116	5355	0	374	15	0	0	566	17	0
78	2840	116	5430	0	374	16	0	0	566	20	0
78	2883	116	5503	0	374	17	0	0	566	21	0
78	2926	116	5556	0	374	18	0	0	566	22	0
78	2969	116	5631	0	374	19	0	0	566	23	0
78	3012	116	5704	0	375	0	0	0	567	0	0
78	3055	116	5757	0	375	1	0	0	567	1	0
78	3098	116	6032	0	375	2	0	0	567	2	0
78	3141	116	6105	0	375	3	0	0	567	3	0
78	3184	116	6160	0	375	4	0	0	567	4	0
78	3227	116	6233	0	375	5	0	0	567	5	0
78	3270	116	6306	0	375	6	0	0	567	6	0
78	3313	116	6361	0	375	7	0	0	567	7	0
78	3356	116	6434	0	375	8	0	0	567	10	0
78	3399	116	6507	0	375	9	0	0	567	11	0
78	3442	116	6562	0	375	10	0	0	567	12	0
78	3485	116	6635	0	375	11	0	0	567	13	0
78	3528	116	6710	0	375	12	0	0	567	14	0
78	3571	116	6763	0	375	13	0	0	567	15	0
78	3614	116	7036	0	375	14	0	0	567	16	0
78	3657	116	7111	0	375	15	0	0	567	17	0
78	3700	116	7164	0	375	16	0	0	567	20	0
78	3743	116	7237	0	375	17	0	0	567	21	0
78	3786	116	7312	0	375	18	0	0	567	22	0
78	3829	116	7365	0	375	19	0	0	567	23	0
78	3872	116	7440	0	376	0	0	0	570	0	0
78	3915	116	7513	0	376	1	0	0	570	1	0
78	3958	116	7566	0	376	2	0	0	570	2	0
78	4001	116	7641	0	376	3	0	0	570	3	0
78	4044	116	7714	0	376	4	0	0	570	4	0
78	4087	116	7767	0	376	5	0	0	570	5	0
79	34	117	42	0	376	6	0	0	570	6	0
79	77	117	115	0	376	7	0	0	570	7	0
79	120	117	170	0	376	8	0	0	570	10	0
79	163	117	243	0	376	9	0	0	570	11	0
79	206	117	316	0	376	10	0	0	570	12	0
79	249	117	371	0	376	11	0	0	570	13	0
79	292	117	444	0	376	12	0	0	570	14	0
79	335	117	517	0	376	13	0	0	570	15	0
79	378	117	572	0	376	14	0	0	570	16	0
79	421	117	645	0	376	15	0	0	570	17	0
79	464	117	720	0	376	16	0	0	570	20	0
79	507	117	773	0	376	17	0	0	570	21	0
79	550	117	1046	0	376	18	0	0	570	22	0
79	593	117	1121	0	376	19	0	0	570	23	0
79	636	117	1174	0	377	0	0	0	571	0	0
79	679	117	1247	0	377	1	0	0	571	1	0
79	722	117	1322	0	377	2	0	0	571	2	0
79	765	117	1375	0	377	3	0	0	571	3	0
79	808	117	1450	0	377	4	0	0	571	4	0
79	851	117	1523	0	377	5	0	0	571	5	0
79	894	117	1576	0	377	6	0	0	571	6	0
79	937	117	1651	0	377	7	0	0	571	7	0
79	980	117	1724	0	377	8	0	0	571	10	0
79	1023	117	1777	0	377	9	0	0	571	11	0
79	1066	117	2052	0	377	10	0	0	571	12	0
79	1109	117	2125	0	377	11	0	0	571	13	0
79	1152	117	2200	0	377	12	0	0	571	14	0
79	1195	117	2253	0	377	13	0	0	571	15	0
79	1238	117	2326	0	377	14	0	0	571	16	0
79	1281	117	2401	0	377	15	0	0	571	17	0
79	1324	117	2454	0	377	16	0	0	571	20	0
79	1367	117	2527	0	377	17	0	0	571	21	0
79	1410	117	2602	0	377	18	0	0	571	22	0
79	1453	117	2655	0	377	19	0	0	571	23	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
79	1496	117	2730	0	378	0	0	0	572	0	0
79	1539	117	3003	0	378	1	0	0	572	1	0
79	1582	117	3056	0	378	2	0	0	572	2	0
79	1625	117	3131	0	378	3	0	0	572	3	0
79	1668	117	3204	0	378	4	0	0	572	4	0
79	1711	117	3257	0	378	5	0	0	572	5	0
79	1754	117	3332	0	378	6	0	0	572	6	0
79	1797	117	3405	0	378	7	0	0	572	7	0
79	1840	117	3460	0	378	8	0	0	572	10	0
79	1883	117	3533	0	378	9	0	0	572	11	0
79	1926	117	3606	0	378	10	0	0	572	12	0
79	1969	117	3661	0	378	11	0	0	572	13	0
79	2012	117	3734	0	378	12	0	0	572	14	0
79	2055	117	4007	0	378	13	0	0	572	15	0
79	2098	117	4062	0	378	14	0	0	572	16	0
79	2141	117	4135	0	378	15	0	0	572	17	0
79	2184	117	4210	0	378	16	0	0	572	20	0
79	2227	117	4263	0	378	17	0	0	572	21	0
79	2270	117	4336	0	378	18	0	0	572	22	0
79	2313	117	4411	0	378	19	0	0	572	23	0
79	2356	117	4464	0	379	0	0	0	573	0	0
79	2399	117	4537	0	379	1	0	0	573	1	0
79	2442	117	4612	0	379	2	0	0	573	2	0
79	2485	117	4665	0	379	3	0	0	573	3	0
79	2528	117	4740	0	379	4	0	0	573	4	0
79	2571	117	5013	0	379	5	0	0	573	5	0
79	2614	117	5066	0	379	6	0	0	573	6	0
79	2657	117	5141	0	379	7	0	0	573	7	0
79	2700	117	5214	0	379	8	0	0	573	10	0
79	2743	117	5267	0	379	9	0	0	573	11	0
79	2786	117	5342	0	379	10	0	0	573	12	0
79	2829	117	5415	0	379	11	0	0	573	13	0
79	2872	117	5470	0	379	12	0	0	573	14	0
79	2915	117	5543	0	379	13	0	0	573	15	0
79	2958	117	5616	0	379	14	0	0	573	16	0
79	3001	117	5671	0	379	15	0	0	573	17	0
79	3044	117	5744	0	379	16	0	0	573	20	0
79	3087	117	6017	0	379	17	0	0	573	21	0
79	3130	117	6072	0	379	18	0	0	573	22	0
79	3173	117	6145	0	379	19	0	0	573	23	0
79	3216	117	6220	0	380	0	0	0	574	0	0
79	3259	117	6273	0	380	1	0	0	574	1	0
79	3302	117	6346	0	380	2	0	0	574	2	0
79	3345	117	6421	0	380	3	0	0	574	3	0
79	3388	117	6474	0	380	4	0	0	574	4	0
79	3431	117	6547	0	380	5	0	0	574	5	0
79	3474	117	6622	0	380	6	0	0	574	6	0
79	3517	117	6675	0	380	7	0	0	574	7	0
79	3560	117	6750	0	380	8	0	0	574	10	0
79	3603	117	7023	0	380	9	0	0	574	11	0
79	3646	117	7076	0	380	10	0	0	574	12	0
79	3689	117	7151	0	380	11	0	0	574	13	0
79	3732	117	7224	0	380	12	0	0	574	14	0
79	3775	117	7277	0	380	13	0	0	574	15	0
79	3818	117	7352	0	380	14	0	0	574	16	0
79	3861	117	7425	0	380	15	0	0	574	17	0
79	3904	117	7500	0	380	16	0	0	574	20	0
79	3947	117	7553	0	380	17	0	0	574	21	0
79	3990	117	7626	0	380	18	0	0	574	22	0
79	4033	117	7701	0	380	19	0	0	574	23	0
79	4076	117	7754	0	381	0	0	0	575	0	0
80	23	120	27	0	381	1	0	0	575	1	0
80	66	120	102	0	381	2	0	0	575	2	0
80	109	120	155	0	381	3	0	0	575	3	0
80	152	120	230	0	381	4	0	0	575	4	0
80	195	120	303	0	381	5	0	0	575	5	0
80	238	120	356	0	381	6	0	0	575	6	0
80	281	120	431	0	381	7	0	0	575	7	0
80	324	120	504	0	381	8	0	0	575	10	0
80	367	120	557	0	381	9	0	0	575	11	0
80	410	120	632	0	381	10	0	0	575	12	0
80	453	120	705	0	381	11	0	0	575	13	0
80	496	120	760	0	381	12	0	0	575	14	0
80	539	120	1033	0	381	13	0	0	575	15	0
80	582	120	1106	0	381	14	0	0	575	16	0
80	625	120	1161	0	381	15	0	0	575	17	0
80	668	120	1234	0	381	16	0	0	575	20	0
80	711	120	1307	0	381	17	0	0	575	21	0
80	754	120	1362	0	381	18	0	0	575	22	0
80	797	120	1435	0	381	19	0	0	575	23	0
80	840	120	1510	0	382	0	0	0	576	0	0
80	883	120	1563	0	382	1	0	0	576	1	0
80	926	120	1636	0	382	2	0	0	576	2	0
80	969	120	1711	0	382	3	0	0	576	3	0
80	1012	120	1764	0	382	4	0	0	576	4	0
80	1055	120	2037	0	382	5	0	0	576	5	0
80	1098	120	2112	0	382	6	0	0	576	6	0
80	1141	120	2165	0	382	7	0	0	576	7	0
80	1184	120	2240	0	382	8	0	0	576	10	0
80	1227	120	2313	0	382	9	0	0	576	11	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
80	1270	120	2366	0	382	10	0	0	576	12	0
80	1313	120	2441	0	382	11	0	0	576	13	0
80	1356	120	2514	0	382	12	0	0	576	14	0
80	1399	120	2567	0	382	13	0	0	576	15	0
80	1442	120	2642	0	382	14	0	0	576	16	0
80	1485	120	2715	0	382	15	0	0	576	17	0
80	1528	120	2770	0	382	16	0	0	576	20	0
80	1571	120	3043	0	382	17	0	0	576	21	0
80	1614	120	3116	0	382	18	0	0	576	22	0
80	1657	120	3171	0	382	19	0	0	576	23	0
80	1700	120	3244	0	383	0	0	0	577	0	0
80	1743	120	3317	0	383	1	0	0	577	1	0
80	1786	120	3372	0	383	2	0	0	577	2	0
80	1829	120	3445	0	383	3	0	0	577	3	0
80	1872	120	3520	0	383	4	0	0	577	4	0
80	1915	120	3573	0	383	5	0	0	577	5	0
80	1958	120	3646	0	383	6	0	0	577	6	0
80	2001	120	3721	0	383	7	0	0	577	7	0
80	2044	120	3774	0	383	8	0	0	577	10	0
80	2087	120	4047	0	383	9	0	0	577	11	0
80	2130	120	4122	0	383	10	0	0	577	12	0
80	2173	120	4175	0	383	11	0	0	577	13	0
80	2216	120	4250	0	383	12	0	0	577	14	0
80	2259	120	4323	0	383	13	0	0	577	15	0
80	2302	120	4376	0	383	14	0	0	577	16	0
80	2345	120	4451	0	383	15	0	0	577	17	0
80	2388	120	4524	0	383	16	0	0	577	20	0
80	2431	120	4577	0	383	17	0	0	577	21	0
80	2474	120	4652	0	383	18	0	0	577	22	0
80	2517	120	4725	0	383	19	0	0	577	23	0
80	2560	120	5000	0	384	0	0	0	600	0	0
80	2603	120	5053	0	384	1	0	0	600	1	0
80	2646	120	5126	0	384	2	0	0	600	2	0
80	2689	120	5201	0	384	3	0	0	600	3	0
80	2732	120	5254	0	384	4	0	0	600	4	0
80	2775	120	5327	0	384	5	0	0	600	5	0
80	2818	120	5402	0	384	6	0	0	600	6	0
80	2861	120	5455	0	384	7	0	0	600	7	0
80	2904	120	5530	0	384	8	0	0	600	10	0
80	2947	120	5603	0	384	9	0	0	600	11	0
80	2990	120	5656	0	384	10	0	0	600	12	0
80	3033	120	5731	0	384	11	0	0	600	13	0
80	3076	120	6004	0	384	12	0	0	600	14	0
80	3119	120	6057	0	384	13	0	0	600	15	0
80	3162	120	6132	0	384	14	0	0	600	16	0
80	3205	120	6205	0	384	15	0	0	600	17	0
80	3248	120	6260	0	384	16	0	0	600	20	0
80	3291	120	6333	0	384	17	0	0	600	21	0
80	3334	120	6406	0	384	18	0	0	600	22	0
80	3377	120	6461	0	384	19	0	0	600	23	0
80	3420	120	6534	0	385	0	0	0	601	0	0
80	3463	120	6607	0	385	1	0	0	601	1	0
80	3506	120	6662	0	385	2	0	0	601	2	0
80	3549	120	6735	0	385	3	0	0	601	3	0
80	3592	120	7010	0	385	4	0	0	601	4	0
80	3635	120	7063	0	385	5	0	0	601	5	0
80	3678	120	7136	0	385	6	0	0	601	6	0
80	3721	120	7211	0	385	7	0	0	601	7	0
80	3764	120	7264	0	385	8	0	0	601	10	0
80	3807	120	7337	0	385	9	0	0	601	11	0
80	3850	120	7412	0	385	10	0	0	601	12	0
80	3893	120	7465	0	385	11	0	0	601	13	0
80	3936	120	7540	0	385	12	0	0	601	14	0
80	3979	120	7613	0	385	13	0	0	601	15	0
80	4022	120	7666	0	385	14	0	0	601	16	0
80	4065	120	7741	0	385	15	0	0	601	17	0
81	12	121	14	0	385	16	0	0	601	20	0
81	55	121	67	0	385	17	0	0	601	21	0
81	98	121	142	0	385	18	0	0	601	22	0
81	141	121	215	0	385	19	0	0	601	23	0
81	184	121	270	0	386	0	0	0	602	0	0
81	227	121	343	0	386	1	0	0	602	1	0
81	270	121	416	0	386	2	0	0	602	2	0
81	313	121	471	0	386	3	0	0	602	3	0
81	356	121	544	0	386	4	0	0	602	4	0
81	399	121	617	0	386	5	0	0	602	5	0
81	442	121	672	0	386	6	0	0	602	6	0
81	485	121	745	0	386	7	0	0	602	7	0
81	528	121	1020	0	386	8	0	0	602	10	0
81	571	121	1073	0	386	9	0	0	602	11	0
81	614	121	1146	0	386	10	0	0	602	12	0
81	657	121	1221	0	386	11	0	0	602	13	0
81	700	121	1274	0	386	12	0	0	602	14	0
81	743	121	1347	0	386	13	0	0	602	15	0
81	786	121	1422	0	386	14	0	0	602	16	0
81	829	121	1475	0	386	15	0	0	602	17	0
81	872	121	1550	0	386	16	0	0	602	20	0
81	915	121	1623	0	386	17	0	0	602	21	0
81	958	121	1676	0	386	18	0	0	602	22	0
81	1001	121	1751	0	386	19	0	0	602	23	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
81	1044	121	2024	0	387	0	0	0	603	0	0
81	1087	121	2077	0	387	1	0	0	603	1	0
81	1130	121	2152	0	387	2	0	0	603	2	0
81	1173	121	2225	0	387	3	0	0	603	3	0
81	1216	121	2300	0	387	4	0	0	603	4	0
81	1259	121	2353	0	387	5	0	0	603	5	0
81	1302	121	2426	0	387	6	0	0	603	6	0
81	1345	121	2501	0	387	7	0	0	603	7	0
81	1388	121	2554	0	387	8	0	0	603	10	0
81	1431	121	2627	0	387	9	0	0	603	11	0
81	1474	121	2702	0	387	10	0	0	603	12	0
81	1517	121	2755	0	387	11	0	0	603	13	0
81	1560	121	3030	0	387	12	0	0	603	14	0
81	1603	121	3103	0	387	13	0	0	603	15	0
81	1646	121	3156	0	387	14	0	0	603	16	0
81	1689	121	3231	0	387	15	0	0	603	17	0
81	1732	121	3304	0	387	16	0	0	603	20	0
81	1775	121	3357	0	387	17	0	0	603	21	0
81	1818	121	3432	0	387	18	0	0	603	22	0
81	1861	121	3505	0	387	19	0	0	603	23	0
81	1904	121	3560	0	388	0	0	0	604	0	0
81	1947	121	3633	0	388	1	0	0	604	1	0
81	1990	121	3706	0	388	2	0	0	604	2	0
81	2033	121	3761	0	388	3	0	0	604	3	0
81	2076	121	4034	0	388	4	0	0	604	4	0
81	2119	121	4107	0	388	5	0	0	604	5	0
81	2162	121	4162	0	388	6	0	0	604	6	0
81	2205	121	4235	0	388	7	0	0	604	7	0
81	2248	121	4310	0	388	8	0	0	604	10	0
81	2291	121	4363	0	388	9	0	0	604	11	0
81	2334	121	4436	0	388	10	0	0	604	12	0
81	2377	121	4511	0	388	11	0	0	604	13	0
81	2420	121	4564	0	388	12	0	0	604	14	0
81	2463	121	4637	0	388	13	0	0	604	15	0
81	2506	121	4712	0	388	14	0	0	604	16	0
81	2549	121	4765	0	388	15	0	0	604	17	0
81	2592	121	5040	0	388	16	0	0	604	20	0
81	2635	121	5113	0	388	17	0	0	604	21	0
81	2678	121	5166	0	388	18	0	0	604	22	0
81	2721	121	5241	0	388	19	0	0	604	23	0
81	2764	121	5314	0	389	0	0	0	605	0	0
81	2807	121	5367	0	389	1	0	0	605	1	0
81	2850	121	5442	0	389	2	0	0	605	2	0
81	2893	121	5515	0	389	3	0	0	605	3	0
81	2936	121	5570	0	389	4	0	0	605	4	0
81	2979	121	5643	0	389	5	0	0	605	5	0
81	3022	121	5716	0	389	6	0	0	605	6	0
81	3065	121	5771	0	389	7	0	0	605	7	0
81	3108	121	6044	0	389	8	0	0	605	10	0
81	3151	121	6117	0	389	9	0	0	605	11	0
81	3194	121	6172	0	389	10	0	0	605	12	0
81	3237	121	6245	0	389	11	0	0	605	13	0
81	3280	121	6320	0	389	12	0	0	605	14	0
81	3323	121	6373	0	389	13	0	0	605	15	0
81	3366	121	6446	0	389	14	0	0	605	16	0
81	3409	121	6521	0	389	15	0	0	605	17	0
81	3452	121	6574	0	389	16	0	0	605	20	0
81	3495	121	6647	0	389	17	0	0	605	21	0
81	3538	121	6722	0	389	18	0	0	605	22	0
81	3581	121	6775	0	389	19	0	0	605	23	0
81	3624	121	7050	0	390	0	0	0	606	0	0
81	3667	121	7124	0	390	1	0	0	606	1	0
81	3710	121	7176	0	390	2	0	0	606	2	0
81	3753	121	7251	0	390	3	0	0	606	3	0
81	3796	121	7324	0	390	4	0	0	606	4	0
81	3839	121	7377	0	390	5	0	0	606	5	0
81	3882	121	7452	0	390	6	0	0	606	6	0
81	3925	121	7525	0	390	7	0	0	606	7	0
81	3968	121	7600	0	390	8	0	0	606	10	0
81	4011	121	7653	0	390	9	0	0	606	11	0
81	4054	121	7726	0	390	10	0	0	606	12	0
82	1	122	1	0	390	11	0	0	606	13	0
82	44	122	54	0	390	12	0	0	606	14	0
82	87	122	127	0	390	13	0	0	606	15	0
82	130	122	202	0	390	14	0	0	606	16	0
82	173	122	255	0	390	15	0	0	606	17	0
82	216	122	330	0	390	16	0	0	606	20	0
82	259	122	403	0	390	17	0	0	606	21	0
82	302	122	456	0	390	18	0	0	606	22	0
82	345	122	531	0	390	19	0	0	606	23	0
82	388	122	604	0	391	0	0	0	607	0	0
82	431	122	657	0	391	1	0	0	607	1	0
82	474	122	732	0	391	2	0	0	607	2	0
82	517	122	1005	0	391	3	0	0	607	3	0
82	560	122	1060	0	391	4	0	0	607	4	0
82	603	122	1133	0	391	5	0	0	607	5	0
82	646	122	1206	0	391	6	0	0	607	6	0
82	689	122	1261	0	391	7	0	0	607	7	0
82	732	122	1334	0	391	8	0	0	607	10	0
82	775	122	1407	0	391	9	0	0	607	11	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
82	818	122	1462	0	391	10	0	0	607	12	0
82	861	122	1535	0	391	11	0	0	607	13	0
82	904	122	1610	0	391	12	0	0	607	14	0
82	947	122	1663	0	391	13	0	0	607	15	0
82	990	122	1736	0	391	14	0	0	607	16	0
82	1033	122	2011	0	391	15	0	0	607	17	0
82	1076	122	2064	0	391	16	0	0	607	20	0
82	1119	122	2137	0	391	17	0	0	607	21	0
82	1162	122	2212	0	391	18	0	0	607	22	0
82	1205	122	2265	0	391	19	0	0	607	23	0
82	1248	122	2340	0	392	0	0	0	610	0	0
82	1291	122	2413	0	392	1	0	0	610	1	0
82	1334	122	2466	0	392	2	0	0	610	2	0
82	1377	122	2541	0	392	3	0	0	610	3	0
82	1420	122	2614	0	392	4	0	0	610	4	0
82	1463	122	2667	0	392	5	0	0	610	5	0
82	1506	122	2742	0	392	6	0	0	610	6	0
82	1549	122	3015	0	392	7	0	0	610	7	0
82	1592	122	3070	0	392	8	0	0	610	10	0
82	1635	122	3143	0	392	9	0	0	610	11	0
82	1678	122	3216	0	392	10	0	0	610	12	0
82	1721	122	3271	0	392	11	0	0	610	13	0
82	1764	122	3344	0	392	12	0	0	610	14	0
82	1807	122	3417	0	392	13	0	0	610	15	0
82	1850	122	3472	0	392	14	0	0	610	16	0
82	1893	122	3545	0	392	15	0	0	610	17	0
82	1936	122	3620	0	392	16	0	0	610	20	0
82	1979	122	3673	0	392	17	0	0	610	21	0
82	2022	122	3746	0	392	18	0	0	610	22	0
82	2065	122	4021	0	392	19	0	0	610	23	0
82	2108	122	4074	0	393	0	0	0	611	0	0
82	2151	122	4147	0	393	1	0	0	611	1	0
82	2194	122	4222	0	393	2	0	0	611	2	0
82	2237	122	4275	0	393	3	0	0	611	3	0
82	2280	122	4350	0	393	4	0	0	611	4	0
82	2323	122	4423	0	393	5	0	0	611	5	0
82	2366	122	4476	0	393	6	0	0	611	6	0
82	2409	122	4551	0	393	7	0	0	611	7	0
82	2452	122	4624	0	393	8	0	0	611	10	0
82	2495	122	4677	0	393	9	0	0	611	11	0
82	2538	122	4752	0	393	10	0	0	611	12	0
82	2581	122	5025	0	393	11	0	0	611	13	0
82	2624	122	5100	0	393	12	0	0	611	14	0
82	2667	122	5153	0	393	13	0	0	611	15	0
82	2710	122	5226	0	393	14	0	0	611	16	0
82	2753	122	5301	0	393	15	0	0	611	17	0
82	2796	122	5354	0	393	16	0	0	611	20	0
82	2839	122	5427	0	393	17	0	0	611	21	0
82	2882	122	5502	0	393	18	0	0	611	22	0
82	2925	122	5555	0	393	19	0	0	611	23	0
82	2968	122	5630	0	394	0	0	0	612	0	0
82	3011	122	5703	0	394	1	0	0	612	1	0
82	3054	122	5756	0	394	2	0	0	612	2	0
82	3097	122	6031	0	394	3	0	0	612	3	0
82	3140	122	6104	0	394	4	0	0	612	4	0
82	3183	122	6157	0	394	5	0	0	612	5	0
82	3226	122	6232	0	394	6	0	0	612	6	0
82	3269	122	6305	0	394	7	0	0	612	7	0
82	3312	122	6360	0	394	8	0	0	612	10	0
82	3355	122	6433	0	394	9	0	0	612	11	0
82	3398	122	6506	0	394	10	0	0	612	12	0
82	3441	122	6561	0	394	11	0	0	612	13	0
82	3484	122	6634	0	394	12	0	0	612	14	0
82	3527	122	6707	0	394	13	0	0	612	15	0
82	3570	122	6762	0	394	14	0	0	612	16	0
82	3613	122	7035	0	394	15	0	0	612	17	0
82	3656	122	7110	0	394	16	0	0	612	20	0
82	3699	122	7163	0	394	17	0	0	612	21	0
82	3742	122	7236	0	394	18	0	0	612	22	0
82	3785	122	7311	0	394	19	0	0	612	23	0
82	3828	122	7364	0	395	0	0	0	613	0	0
82	3871	122	7437	0	395	1	0	0	613	1	0
82	3914	122	7512	0	395	2	0	0	613	2	0
82	3957	122	7565	0	395	3	0	0	613	3	0
82	4000	122	7640	0	395	4	0	0	613	4	0
82	4043	122	7713	0	395	5	0	0	613	5	0
82	4086	122	7766	0	395	6	0	0	613	6	0
83	33	123	41	0	395	7	0	0	613	7	0
83	76	123	114	0	395	8	0	0	613	10	0
83	119	123	167	0	395	9	0	0	613	11	0
83	162	123	242	0	395	10	0	0	613	12	0
83	205	123	315	0	395	11	0	0	613	13	0
83	248	123	370	0	395	12	0	0	613	14	0
83	291	123	443	0	395	13	0	0	613	15	0
83	334	123	516	0	395	14	0	0	613	16	0
83	377	123	571	0	395	15	0	0	613	17	0
83	420	123	644	0	395	16	0	0	613	20	0
83	463	123	717	0	395	17	0	0	613	21	0
83	506	123	772	0	395	18	0	0	613	22	0
83	549	123	1045	0	395	19	0	0	613	23	0

TABLE 3-5. (Continued)

DECIMAL		OCTAL		DECIMAL				OCTAL			
POS	TRACK/SEC	POS	TRACK/SEC	UNIT	CYL	HEAD	SEC	UNIT	CYL	HEAD	SEC
B	C	D	E	F	G	H	I	J	K	L	M
83	592	123	1120	0	396	0	0	0	614	0	0
83	635	123	1173	0	396	1	0	0	614	1	0
83	678	123	1246	0	396	2	0	0	614	2	0
83	721	123	1321	0	396	3	0	0	614	3	0
83	764	123	1374	0	396	4	0	0	614	4	0
83	807	123	1447	0	396	5	0	0	614	5	0
83	850	123	1522	0	396	6	0	0	614	6	0
83	893	123	1575	0	396	7	0	0	614	7	0
83	936	123	1650	0	396	8	0	0	614	10	0
83	979	123	1723	0	396	9	0	0	614	11	0
83	1022	123	1776	0	396	10	0	0	614	12	0
83	1065	123	2051	0	396	11	0	0	614	13	0
83	1108	123	2124	0	396	12	0	0	614	14	0
83	1151	123	2177	0	396	13	0	0	614	15	0
83	1194	123	2252	0	396	14	0	0	614	16	0
83	1237	123	2325	0	396	15	0	0	614	17	0
83	1280	123	2400	0	396	16	0	0	614	20	0
83	1323	123	2453	0	396	17	0	0	614	21	0
83	1366	123	2526	0	396	18	0	0	614	22	0
83	1409	123	2601	0	396	19	0	0	614	23	0
83	1452	123	2654	0	397	0	0	0	615	0	0
83	1495	123	2727	0	397	1	0	0	615	1	0
83	1538	123	3002	0	397	2	0	0	615	2	0
83	1581	123	3055	0	397	3	0	0	615	3	0
83	1624	123	3130	0	397	4	0	0	615	4	0
83	1667	123	3203	0	397	5	0	0	615	5	0
83	1710	123	3256	0	397	6	0	0	615	6	0
83	1753	123	3331	0	397	7	0	0	615	7	0
83	1796	123	3404	0	397	8	0	0	615	10	0
83	1839	123	3457	0	397	9	0	0	615	11	0
83	1882	123	3532	0	397	10	0	0	615	12	0
83	1925	123	3605	0	397	11	0	0	615	13	0
83	1968	123	3660	0	397	12	0	0	615	14	0
83	2011	123	3733	0	397	13	0	0	615	15	0
83	2054	123	4006	0	397	14	0	0	615	16	0
83	2097	123	4061	0	397	15	0	0	615	17	0
83	2140	123	4134	0	397	16	0	0	615	20	0
83	2183	123	4207	0	397	17	0	0	615	21	0
83	2226	123	4262	0	397	18	0	0	615	22	0
83	2269	123	4335	0	397	19	0	0	615	23	0
83	2312	123	4410	0	398	0	0	0	616	0	0
83	2355	123	4463	0	398	1	0	0	616	1	0
83	2398	123	4536	0	398	2	0	0	616	2	0
83	2441	123	4611	0	398	3	0	0	616	3	0
83	2484	123	4664	0	398	4	0	0	616	4	0
83	2527	123	4737	0	398	5	0	0	616	5	0
83	2570	123	5012	0	398	6	0	0	616	6	0
83	2613	123	5065	0	398	7	0	0	616	7	0
83	2656	123	5140	0	398	8	0	0	616	10	0
83	2699	123	5213	0	398	9	0	0	616	11	0
83	2742	123	5266	0	398	10	0	0	616	12	0
83	2785	123	5341	0	398	11	0	0	616	13	0
83	2828	123	5414	0	398	12	0	0	616	14	0
83	2871	123	5467	0	398	13	0	0	616	15	0
83	2914	123	5542	0	398	14	0	0	616	16	0
83	2957	123	5615	0	398	15	0	0	616	17	0
83	3000	123	5670	0	398	16	0	0	616	20	0
83	3043	123	5743	0	398	17	0	0	616	21	0
83	3086	123	6016	0	398	18	0	0	616	22	0
83	3129	123	6071	0	398	19	0	0	616	23	0
83	3172	123	6144	0	399	0	0	0	617	0	0
83	3215	123	6217	0	399	1	0	0	617	1	0
83	3258	123	6272	0	399	2	0	0	617	2	0
83	3301	123	6345	0	399	3	0	0	617	3	0
83	3344	123	6420	0	399	4	0	0	617	4	0
83	3387	123	6473	0	399	5	0	0	617	5	0
83	3430	123	6546	0	399	6	0	0	617	6	0
83	3473	123	6621	0	399	7	0	0	617	7	0
83	3516	123	6674	0	399	8	0	0	617	10	0
83	3559	123	6747	0	399	9	0	0	617	11	0
83	3602	123	7022	0	399	10	0	0	617	12	0
83	3645	123	7075	0	399	11	0	0	617	13	0
83	3688	123	7150	0	399	12	0	0	617	14	0
83	3731	123	7223	0	399	13	0	0	617	15	0
83	3774	123	7276	0	399	14	0	0	617	16	0
83	3817	123	7351	0	399	15	0	0	617	17	0
83	3860	123	7424	0	399	16	0	0	617	20	0
83	3903	123	7477	0	399	17	0	0	617	21	0
83	3946	123	7552	0	399	18	0	0	617	22	0
83	3989	123	7625	0	399	19	0	0	617	23	0
83	4032	123	7700	0	400	0	0	0	620	0	0

APPENDIX I
THE STANDBY CONDITION

The following control settings and operations are those necessary to place the Model 1144 Disk Storage System in the standby condition, the state in which it is presumed to be at the start of the operating procedures given in the preceding portion of this manual.

Normally, the standby condition is set up by maintenance personnel, as it involves use of controls other than those designated for use by the operator. Therefore, these instructions are included here for reference only and are not to be construed as instructions to be followed by the operator.

To establish the standby condition, proceed as follows:

1. Install disk packs in the drives and close all drawers.

2. On the Maintenance Panel, set controls as follows:

DVR/NORMAL	NORMAL
WRITE LOCKOUT switches	OFF — or set to lock out drives if desired
FILE POWER CONTROLS	ON

Other Maintenance Panel controls may be in any position.

3. On the Mode Select Panel:

Basic Systems (Not Modular)

DISC	ON if software is in DOM or DOM Translate mode; OFF if FEM.
TRANSLATE	ON if software is DOM Translate; otherwise OFF.
INHIBIT POLLING	ON if FEM; OFF if DOM or DOM Translate
All others	OFF

Modular Systems:

INHIBIT UNIT CNTR	OFF
EXPAND ADDRESS	ON if system is to use expanded addressing, OFF if not
ENABLE POLLING + RES/REL	ON if the system software uses these features, OFF if not
All others	OFF

4. On the Power Control Panel:

CB1	ON. Observe that AC POWER on this panel and STNBY on the Maintenance Panel are lighted.

5. On the disk drives:

ON/OFF switches	ON

From this condition the system, including the drives, will power up and go online when the ON button on the Maintenance Panel is pressed.

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