

to format, it will give the following message:

Insert the disk to be formatted
and then enter the drive number.

After this message appears remove the Master disk and insert the disk to be formatted into drive 1. Next type 1, but don't press RETURN. You will see the following message:

Type Y to format drive 1 disk
Type N to abort

This gives you a last chance to make sure you have the right disk in the drive. Type Y without pressing RETURN. The formatting will take about 30 seconds and then you will be asked if you want to format another disk. Type N without pressing RETURN. The system should respond with Ready. If you have a multiple disk drive system you can leave the Master Disk in drive 1 and insert the disk to be formatted in drive 2. Then type 2 and the disk will be formatted.

Advan BASIC has several commands to control the transfer of programs to and from disks. The three main ones are LOAD, SAVE, and DIR. DIR is used to list the names of the files on a disk. It is a built-in command, so you can use it without harming any program you may have in the computer. To check the disk you just formatted, type DIR. If you have a multiple drive system, type DIR D2:. Don't forget the RETURN key. You should get the message:

707 Free Sectors

Now let's do a sample program so you can see how to save and load. You will have to enter a new program, because the EXEC FORMAT.COD command erased your former program. First type NEW. Then type in the following:

```
10 REM TEST PROGRAM
20 SUM=0
30 SUM1=0
40 FOR T=1 TO 10
50   SUM=SUM+1
60   FOR Y=1 TO 1000
70     SUM1=SUM1+1
80   NEXT Y
90 NEXT T
100 PRINT SUM,SUM1
110 END
```

List the program to make sure you entered it correctly. Correct any errors and type RUN. While ATARI BASIC executes this program in about 56 seconds, Advan BASIC takes less than 16 seconds. If you had used integers, it would take only 6 seconds. I'll discuss integers in the next chapter. The program should print 10 10000 followed by Ready.

To save the program on your disk, type SAVE TEST.BAS if the formatted disk is in drive 1. Type SAVE D2:TEST.BAS if the formatted disk is in drive 2. The screen will be blanked to maximize the speed of the transfer. After a few seconds the display will return and the system will print Ready. To check the disk, type DIR (or DIR D2: if the disk is in drive 2). You should