

- (6) The commands MACHINE and CODE may not be used in a FAST region.
- (7) If a line number immediately follows THEN or ELSE, the line number must be in the same kind of region as the IF. Consider 100 IF A=T THEN 200. If line 100 is in a FAST region, then line 200 must also be in a FAST region. Consider 100 IF A=T THEN GOTO 200. The GOTO allows lines 100 and 200 to be in different kinds of regions.
- (8) The line number referred to in a TRAP command must not be in a FAST region.
- (9) The following commands run at the same speed whether or not they are in a FAST section: CLOSE, EOF, GET, GRAPHICS, INPUT, INPUTLINE, INSTR, LPRINT, LSCREEN, NOTE, OPEN, POINT, PRINT, PUT, READ. In addition, the functions ATAN, COS, EXP, LOG, SIN, SQR, TAN, and ^ will require about the same amount of time whether or not they are in a FAST section, unless you use the /F option (see p. 4).

Using the Optimizing Compiler

After you have placed FAST and FAST END you are ready to use the Optimizing Compiler. Insert the Optimizing Compiler Master disk into drive 1 and type:

```
EXEC OPCOM.COD
```

The program will load and ask you to insert the disk with the program and then enter the program name. At this time remove the Optimizing Compiler Master disk from drive 1 and insert the disk with the program you want (in this case, ALPHA). Your response is underlined.

```
Insert program disk & then  
Enter program name  
? ALPHA
```

The program then asks for the name of the compiled output file. You respond as follows:

```
Enter output file name  
? ALPHA.COD
```

For maximum speed the screen will be blanked during the compile. Two work files are set up on the disk and then killed. Typically, they will take up 30 or fewer sectors.

When the compile is finished you will get the messages 'End Compile' and then 'INSERT BASIC DISK&RETURN'. The Optimizing Compiler is so large that part of the BASIC has to be removed and then reloaded after the compile. Remove the disk with the program, insert the Advan BASIC Master disk into drive 1, and then press RETURN. If the BASIC is on the program disk (i.e., you used FORMAT1.COD), just press RETURN. After the BASIC is reloaded the system will display Ready. You can now reinsert the disk with the program and execute the compiled code using the command EXEC ALPHA.COD.

If you have a 130XE you can put the program on the RAMDISK, or if you have a two drive system you can put the program disk in drive 2. For example: