

EXEC OPCOM.COD

The program will load and display:

Insert program disk & then
Enter program name
?

Remove the Optimizing Compiler Master disk, insert the disk with SIEVE.FST, and type:

SIEVE.FST

The display will read:

Enter output file name
?

Type SIEVE.COD

The screen will be blanked for about 30 seconds while the program is compiling. Then you will see:

End Compile
INSERT BASIC DISK&RETURN

If the disk with SIEVE.FST has the BASIC on it just press RETURN. Otherwise remove the disk, insert the Advan BASIC Master disk, and press RETURN. After the Ready appears reinsert the disk with the program and type:

EXEC SIEVE.COD

The program will load and ask if you wish to blank the screen. Type Y and press RETURN. The run should take a little less than two seconds and then it should print the time and the number of primes found.

Error Messages

If the input file cannot be found or the output file cannot be opened (i.e., write protected disk or file) you will get an error message saying 'NAME ERROR' and you will again be asked to give the names of input and output files.

Normally a program should be operational before you pass it through the Optimizing Compiler and so you shouldn't get syntax error messages. If this kind of error occurs, however, you will be given the line number and an error number. Unfortunately there wasn't room for written error messages. Appendix C in the Advan BASIC manual explains the error messages.

Probably the most common error message is 'FAST PLACEMENT ERROR AT LINE'. Several things cause this error and they are described in the section on FAST and FAST END (p. 2).