

## [7.19] Bypass programs locked with ans(1) and 4→errornum:passerr

It is possible to prevent viewing TI BASIC source code. First, put this near the beginning of the program:

```
ans(1)
```

From the command line, execute:

```
4→errornum:passerr
```

then run the program. Now, you cannot view the program beyond the ans(1). Further, if you try to edit the program, all the 'invisible' code is lost. If you want to look at the source of a program 'locked' like this, to determine if it may contain a virus or poor programming practices, Frank Westlake provides this work-around:

1. Make a copy of the TI program on your computer so you won't have to remember how to undo the changes (it may not run with the changes).
2. Open the copy with a PC hex editor and go to the 14th byte from the end of the file. Count the last byte as one, second to the last as two, etc., until you get to 14.
3. Change byte 14 to hexadecimal 87, and change byte 13 (next one towards the end) to hexadecimal 3A.
4. Save the file and open it in Graphlink.
5. If there doesn't appear to be anything to worry about, delete the copy and load the original.

Frank also says:

*"I just used this procedure to check a whole groupfile of programs and it worked well. When I edit disabled one of my own programs I had to use a more complicated method, so you might have to experiment some. A knowledge of the file structure is extremely helpful so you may want to download a document describing it from one of the archive sites. It also helps to compare the file to one that isn't disabled. If I get time later this summer I'll try to come up with something more reliable."*

*(Credit to Frank Westlake)*