DOUBLE SPACE (Y OR N)?N

RESEQUENCING by Ron Schweitzer

This program will renumber a BALLY Basic program and print the renumbered program on tape. It will fix "GOTO" and "GOSUB" as long as they are not computed ie. "GOSUB C", the C will not be changed. However a "GOSUB 120+C" will be changed if there is a line number 120. It is slow but still faster than editing. This program is 473 bytes long as written here but can be shortened to.....426 bytes by deleting Line 20000
        377 bytes by above and deleting Line 20050
        366 bytes by above and changing Line 20040 to   INPUT".FL#"0,".SP"G;:PRINT
        349 bytes by above and changing Line 20080 to NEXT A;PRINT ":RETURN";STOP
This program requires a "@(X)" for every line in storage. The resequence program is renumbered along with the object program. Spacing between the two programs can be accomplished by adding some dummy lines after the object program.

Notes on Ron's Resequencing Program by R. M. Houser

First key in the 349 byte resequence program (see above) and record on tape so you can save it and use it later. Now reset the BALLY, and load the object program into memory from its tape. Now find out how much memory is left ie. PRINT SZ. This number needs to be greater than { (349)+ 2x(#lines in object program + #lines in the resequencing program)}. So if you have a 100 line program you need and SZ equal to (349)+2x(100+12) or 673 bytes. You can usually set this space by going thru the object program and replacing some of the long lines that DON'T have GOTO or GOSUB in them by just a line number and a period ie. 65 PRINT "INPUT YOUR VARIABLES HERE" replace with 65.   After renumbering you can go through and reinsert these lines where they belong. When SZ is large enough load the resequencing program in after the object program.
Now add Line 1 GOTO 20000   GOTO 20010 if 20000 has been deleted per above
Now push WORDS RUN GO and the CRT will show "RUN". After a short wait........
The computer will ask for "START NO" put in 0 , this will automatically get
                "FL#"
rid of "GOTO 20000 or(20010)" later on, and make the first line be 0+Spacing.
At this time start the tape recorder with a new tape to load the renumbered program on. The computer will now ask for "SPACING" enter the spacing you want.
                ".SP"
You will now see the object program be renumbered on the CRT, when you see that the renumbering has reached the resequencing program stop the tape recorder.
This will save you having to delete the resequencing program later.

NOTE! The program stored in the BALLY memory is still the old line numbered programs. The rennumbered program is on the tape. So now RESET the BALLY and load in the renumbered object program. At the beginning there will be some garbage but it will drop out when the program is run or listed. Now list the program and then delete whatever remains of the resequencing program. Now load the renumbered program on a clean cassette.
TRY THIS on a short program first until you understand how it works.

        RON, Thanks for this program ....Dick