

TI-99/4A FAVORITE PROGRAMS EXPLAINED

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ADDMACH1 is a program that will perform like an adding machine, only better. When you enter numbers, only added or subtracted, they are stored in memory in the order you entered them. They can then be reviewed at any time along with the total that has accumulated to that point, and any entries that were made in error can be changed or eliminated. In this manner, the memory serves the same purpose as an adding machine tape. But, where to subtract out and re-add back the incorrect entries, with this easy-to-use program you can get a new list of numbered entries as soon as you have made one or many corrections.

In addition, no printer is required to utilize the program effectively, since about 40 numbers can be easily displayed on the screen. When all the entries are recalled, they are printed in two columns, dividing into two equal parts. For example, if 20 numbers had been entered, then would be displayed on each side of the screen, with entries 1-10 clearly labeled on the left half and 11-20 on the right. To correct item #13 you need only answer "Y" to the question "PRINT DETAILS?". Then you answer 13 to the prompt asking for the detail # and enter the addition or subtraction desired to replace the incorrect entry.

Lines 270-360 indicate the possible commands you may use. HELP will reprint the instructions in these lines.

ADDMACH1

```
500 YN$="Y"  
510 OPEN #1:"RS232.BA=1200"  
520 GOTO 410  
530 IF YN$="N" THEN 560  
540 YN$="N"  
550 CLOSE #1  
560 GOTO 410  
570 LENA=LEN(A$)  
580 IF LENA>0 THEN 610  
590 A$=E$(CTR1)  
600 LENA=LEN(A$)  
610 OPER$=SEG$(A$.LENA,1)  
620 IF YN$<>"Y" THEN 640  
630 PRINT #1:A$  
640 IF OPER$="A" THEN 700  
650 IF OPER$="/" THEN 770  
660 IF OPER$="X" THEN 770  
670 IF OPER$="#" THEN 810  
680 IF OPER$="S" THEN 720  
690 GOTO 730  
700 OPER$="+"  
710 GOTO 730  
720 IF OPER$="-" THEN 920  
730 IF OPER$="." THEN 920  
740 PRINT "ERROR-LAST CHAR MUST BE A,S,  
750 GOTO 410  
760 NUM$=SEG$(A$.LENA-1)  
770 NUMA=VAL(NUM$)  
780 OPERA$=OPERA$  
790 OPERA$=OPERA$  
800 GOTO 410  
810 NUM$=SEG$(A$.LENA-1)  
820 NUMB=VAL(NUM$)  
830 IF OPERA$="X" THEN 880  
840 PRINT NUMA/NUMB  
850 IF YN$<>"Y" THEN 870  
860 GOTO 410  
870 PRINT NUMA*NUMB  
880 IF YN$<>"Y" THEN 410
```

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