

Format CALL ISROFF(numeric-variable)

Description

The Interrupt Service Routine (ISR) is a routine that executes during timed intervals. The operating system of the TI is set up for these. Mouse or Screen dumps or Hot Key programs bring to mind the common uses of a ISR hook. The ISROFF routine in RXB does as it suggests and turns the ISR hook off. But the numeric-variable is used to store the address of where this ISR hook came from. Of course ISRON is the opposite and will turn it back on. Extreme care must be used when turning on or off the ISR. A PEEK at hex >83C4 (decimal -31804 and -31805) will be 0 when there is no ISR. Otherwise any other value will mean that a ISR is being used.

Programs

This line checks ISR hook.		>100 CALL ISROFF(J)
This shows if ISR is in use.		>110 IF J THEN PRINT "ISROFF"
This line loads another file.		>120 CALL LOAD("DSK1.HOT")
This starts another ISR.		>130 CALL LINK("START")
This line checks ISR hook.		>140 CALL ISROFF(K)
This shows if ISR is in use.		>150 IF K THEN PRINT "ISROFF"
This turns first ISR back on.		>160 CALL ISRON(J)
This turns second ISR back on.		>170 CALL ISRON(K)
The program continues...		
Safer way to check ISRHOOK		>100 CALL PEEK(-31804,I,J)
Check if zero then no ISR ON		>110 IF I+J THEN CALL ISROFF
if I+J<>0 then turn off ISR		(N)
and put into variable N		

The above program has loaded N with the ISR HOOK Address.

Options:

See ISRON, PRAM, CALL SIZE, INIT, LOAD and VDPSTACK.