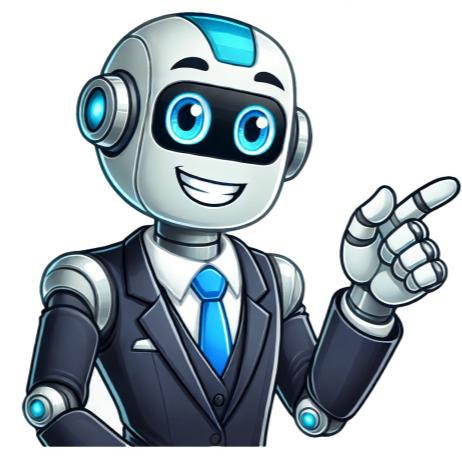


I'm not a robot





























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Page 2Page 3Subroutine within a subroutine—is limited to stack of subroutines seen b4 b1 b2 b3 b4 G1 G2 G3 G4 in n n 112, y22The solution requires that the equation for y be evaluated twice—for y121212Page 4The G (go to subroutine) instruction is executed in the same way as the t branch, with one major difference: it establishes a pending return condition. G label, like t label,\*line with the corresponding label (A to E, 0 to 9 or 0 to 9). However, execution then continues until the first subsequent n instruction is encountered—at which point execution branches back to the instruction immediately following the last G instruction, and continues from Subroutine Execution 'ba' 1.G 1 in Jn RETURN Execution transfers to line 000 and halts. Execution transfers back to original routine after G. 1 \*A G or t instruction followed by a letter label is an abbreviated key sequence (no "necessary"). Abbreviated key sequences are explained on page 78, Page 5 Press "9 (the common procedure for clearing flags). Press -. This will only clear flag 9 and stop the blinking—it will Turn the calculator off. (Flag 9 is not cleared if the calculator turns Page Gas degrees and radians, and make the correct calculation for the mode 'BC Start program at -C|| for degrees Celsius, J | 7 Flag 7 cleared (=) false, t 1 b A Start program at -D|| for Kelvin, F 7 Flag 7 set (=true). b 1 (Assuming temperature in X-register) t 2 If set (Kelvin input) to a later routine, skipping the next few instructions. If cleared (Celsius input), adds 273 to the value in the X-register, since "K = °C = °C 273. + x b 2 Calculation continues for both modes. Page 7There are two general applications for conditional branching. One is to Tests. A conditional test takes what is in the X-register (t) and compares it to zero (such as =) or to "y", that is, what is in the Y-register (such as F). For an x: comparison, therefore, you must have the x register, since "X = " might be in the stack and be moved, as necessary, using x). Tests With Complex Numbers and Matrix Descriptors. Four of the x, T 0 (x = y), and T 6 (x ≠ y) usually, a flag is set or cleared first in a program by choosing a Page 8 which you want to be \$250/month for 48 months. Enter the periodic Keystrokes Display |N Set to Run mode, 250 v payment (0.00000 Monthly payment, 48 v 48,0000 Payment periods (4 years x 12 months), 005 005 Monthly interest rate as a decimal fraction. B 10,698,3049 Deposit necessary for payments to be made in advance. (Repeat stack entries) E 10,645,0795 Deposit necessary for payment to be made in arrears. The difference between this deposit and the tuition cost (\$12,000) represents interest earned on the deposit!) In contrast to the nonprogrammable sequence "t" nn, the programmable sequence t label cannot be used to branch to a line number, but only to program label (a line containing "b" label). It is possible to branch under program control to a particular line number by using indirect addressing, Page 9Keystrokes Display |Y 000- Program mode, "b" 001-42,21,12 Start at "B" if payments are to be made at the beginning, | 0 002-43, 5, 0 Flag 0 clear (false); indicates advance payments. t 1 003-22 1 21 Go to main routine. | b 004-42,43, 4, 0 Flag 0 set (true); indicates payment in arrears. 'b 006-42,21, 1 Routine 1 (main routine). O 0107-44 1 2 Stores i from (X-register). O 008- 1 009- 40 (1+). O 010- 34 Puts n in X; (1+ i) in Y. 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