

TEST	Testing					
g-shift	ENTRY?	KEY?	LBL?	TOP?	LEAP?	CONVG?
f-shift	$x=-0$?	$x=+0$?	$x\approx$?	PRIME?	$x\leq 0$?	$x\geq +0$?
unshifted	$x<$?	$x\leq$?	$x=$?	$x\neq$?	$x\geq$?	$x>$?
Page 1	F1	F2	F3	F4	F5	F6

Prev menu https://47calc.com/doc/R47/Menus/R47v0_Menu_Temp_page_1.pdf

Next menu https://47calc.com/doc/R47/Menus/R47v0_Menu_TEST_page_2.pdf

Level	Label	Type	FullName	Extended description	Category	Flag	Catalog	Default
Menu p1	TEST	MENU	Testing	Testing functions	Programming		TEST	
F1	$x < ?$	Command (logical)	X less than?	Test X is less than register or variable contents ; TAM : $x < ?$ __ TamCmp menu	Programming		$x < ?$	
F2	$x \leq ?$	Command (logical)	X less than or equal to?	Test X is less than or equal to register or variable contents ; TAM : $x \leq ?$ __ TamCmp menu	Programming		$x \leq ?$	
F3	$x = ?$	Command (logical)	X equals?	Test X equals register or variable contents ; TAM : $x = ?$ __ TamCmp menu ; SBI : 0	Programming		$x = ?$	
F4	$x \neq ?$	Command (logical)	X not equal to?	Test X is not equal to register or variable contents ; TAM : $x \neq ?$ __ TamCmp menu	Programming		$x \neq ?$	
F5	$x \geq ?$	Command (logical)	X greater than or equal to?	Test X is greater than or equal to register or variable contents ; TAM : $x \geq ?$ __ TamCmp menu	Programming		$x \geq ?$	
F6	$x > ?$	Command (logical)	X greater than?	Test X is greater than register or variable contents ; TAM : $x > ?$ __ TamCmp menu	Programming		$x > ?$	
fF1	$x = -0 ?$	Command (logical)	X equals -0?	Test X equals -0 (Real number)	Programming		$x = -0 ?$	
fF2	$x = +0 ?$	Command (logical)	X equals +0?	Test X equals +0 (Real number) ; SBI : 0	Programming		$x = +0 ?$	
fF3	$x \approx ?$	Command (logical)	X approximates?	Test X approximates register or variable contents (rounded values are equal) ; TAM : $x \approx ?$ __ TamCmp menu	Programming		$x \approx ?$	
fF4	PRIME?	Command (logical)	Primality test	Test X is a prime number (must be integer) -- see https://en.wikipedia.org/wiki/Miller%E2%80%93Rabin_primality_test ; Info : Miller-Rabin probabilistic primality test is used (25 repetitions) ; PRIME? is correct up to 3 317 044 064 679 887 385 961 980 ; above that limit there are no false negatives, but there is a very low probability of false positives (albeit no known cases)	Programming		PRIME?	
fF5	$x \leq -0 ?$	Command (logical)	X less than or equal to -0?	Test X is less than or equal to -0 (Real number)	Programming		$x \leq -0 ?$	
fF6	$x \geq +0 ?$	Command (logical)	X greater than or equal to +0?	Test X is greater than or equal to +0 (Real number)	Programming		$x \geq +0 ?$	
gF1	ENTRY?	Command (logical)	(Data) entry?	Test internal entry flag for data entry	Programming		ENTRY?	
gF2	KEY?	Command (logical, PEM)	Key pressed?	Test key was pressed : if it is NOT pressed, the next program stap will be executed and if it IS pressed, the next program step will be skipped and the keycode is stored in the register specified ; keycode range is 11-85, where the first digit is row, second digit is column number ; TAM : KEY? __ Tam menu ; Info : KEY? should not be used in short loops, keeps calculator running on full power ; [R/S] and [EXIT] interrupt a program and KEY? will not work for those keys ; Ref : https://47calc.com/doc/R47/Reference/R47v0_KeyType.pdf	Programming		KEY?	
gF3	LBL?	Command (logical)	Label exists?	Test label exists ; TAM : LBL? __ TamLabel menu	Programming		LBL?	
gF4	TOP?	Command (logical)	Top?	Test program pointer is in top routine (as opposed to in subroutine)	Programming		TOP?	
gF5	LEAP?	Command (logical)	Leap year?	Test X is a date in a leap year (test function D? must be true) ; Ref : https://47calc.com/doc/R47/Reference/R47v0_Datatypes.pdf	Programming		LEAP?	
gF6	CONVG?	Command (logical)	Convergence?	Test convergence of X and Y using binary coded parameter for comparison mode and special numbers ; tolerance is derived from setting SDIGS ; TAM : CONVG? _ TamNonReg menu ; Ref : https://47calc.com/doc/R47/Reference/R47v0_CONVG_param.pdf	Programming		CONVG?	