

XFCNS	Extended functions					
g-shift	dLrgLI ▣	dZ.0 ▣				
f-shift						
unshifted	3ST0	3RCL	3DROP	3SWAP	3DUP	
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Prev menu https://47calc.com/doc/R47/Menus/R47v0_Menu_XFCNS_page_2.pdf

Next menu https://47calc.com/doc/R47/Menus/R47v0_Menu_YESNO_page_1.pdf

Ref 1 https://47calc.com/doc/R47/Reference/R47v0_Datatypes.pdf

Ref 2 https://47calc.com/doc/Application%20Notes/AN0016_C47_R47_The_1000_digit_issue.pdf

Level	Label	Type	FullName	Extended description	Category	Flag	Catalog	Default
Menu p3	XFCNS	MENU	Extended functions	Extended accuracy functions for compounded input from three or six consecutive registers, effectively to 1000 digits for new models and simulator, but function not available on DM42 hardware ; when working from the stack, the compound result overwrites X, Y, Z, but when working from other registers, the compound result is pushed onto the stack ; Y will contain Long integer ; when menu XFCNS is open, setting HIDE is ignored ; Split screen : Displaying $X \times Y + Z = \langle \text{value} \rangle$ and $T \times A + B = \langle \text{value} \rangle$ (or "Invalid register type/angle") when menu XFCNS is open (on new stack input, using ALL notation ; Info : extended accuracy functions are defined for (compound) real input and output only, or will result in NaN (Not a Number) or Error 31 -- Input data types do not match ; when menu XFCNS is open, if XYZ contains result in Virtual compound data type, SHOW displays X : $XY + Z = \langle \text{value} \rangle$ and ditto for T : $TA + B$ and for the dedicated triple register storage, e.g. R90 : FMA: (fused multiply-add) ; Ref : https://47calc.com/doc/R47/Reference/R47v0_Datatypes.pdf	Extended accuracy		XFCNS	
F1	3STO	Command	Store X, Y, Z	Store X, Y, Z to three consecutive registers, specify first register using TAM ; TAM : 3STO __ Tam menu	Stack		3STO	
F2	3RCL	Command	Recall X, Y, Z	Recall X, Y, Z from three consecutive registers, specify first register using TAM ; TAM : 3RCL __ Tam menu	Stack		3RCL	
F3	3DROP	Command	Drop X, Y, Z	Drop X, Y, Z	Stack		3DROP	
F4	3SWAP	Command	Swap X, Y, Z and T, A, B	Swap X, Y, Z and T, A, B	Stack		3SWAP	
F5	3DUP	Command	Duplicate X, Y, Z to T, A, B	Duplicate X, Y, Z to T, A, B	Stack		3DUP	
F6								
fF1								
fF2								
fF3								
fF4								
fF5								
fF6								
gF1	dLrgLI 	Setting	Large Long integers display	Switch on (large) Long integers to always display in large text ; not programmable - in PEM, use flag dLrgLI ; Info : dLrgLI is overruled by dZ.0	Display	dLrgLI	dLrgLI 	ON
gF2	dZ.0 	Setting	Display Long integers as Real	Switch on displaying Long integers as Real ; not programmable - in PEM, use flag dZ.0 ; Info : dZ.0 overrules dLrgLI ; Prefix : $\mathbb{Z}$: ; radix not displayed if DSP = 0 ; larger values are displayed using scientific notation and indicated as Long integer by prefix "Z:" even if dZ.0 is CLEAR ; button shows current radix preference	Integers	dZ.0	dZ.0 	OFF
gF3								
gF4								
gF5								
gF6								