

PROB	Probability					
g-shift						
f-shift	SEED					
unshifted	RAN#	RANI#	C _{yx}	P _{yx}	x!	DISTR
Page 1	F1	F2	F3	F4	F5	F6

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Level	Label	Type	FullName	Extended description	Category	Flag	Catalog	Default
Menu p1	PROB	MENU	Probability	Probability functions	Probability		PROB	
F1	RAN#	Command	Random number	Pseudo random number generator (type Real) with bounds 0 and 1 ; uses the SEED ; Info : Range is [0, 1) -- left closed, right open interval	Probability		RAN#	
F2	RANI#	Function (dyadic)	Random Long integer or Real	Pseudo random Long integer or Real number generator with bounds X and Y ; uses the SEED ; Info : Result is Long integer and range is [X, Y] when X and Y are Long integer ; result is Real and range is [X, Y] when X or Y are Real ; bounds may be entered in either order	Probability		RANI#	
F3	C _{yx}	Function (dyadic)	Combinations	Combinations of X out of Y	Trigonometry		COMB	
F4	P _{yx}	Function (dyadic)	Permutations	Permutations of X out of Y	Probability		PERM	
F5	x!	Function (monadic)	Factorial x! or $\Gamma(x+1)$	For Long integers : x! ; for Reals : $\Gamma(x+1)$; Info : Max integer: 450 (up to 1000 digits accurate) ; max real : 2123.549 956 662 463 236 31 ; integers > max are converted to reals	Mathematics		x!	
F6	DISTR	MENU	Distributions	Probability distribution functions ; Split screen : Displaying <register> = <parameter> = <value> for the probability distribution submenus ; Ref : https://47calc.com/doc/C47/Reference/C47_Distr_param.pdf	Probability		DISTR	
fF1	SEED	Command	Seed	Set seed for the pseudo random number generators RAN# and RANI# ; Info : If X = 0, then SEED will use a combination of available memory and current time to create a random-like new seed ; for any other (numeric) input the resulting pseudo random sequence will be repeatable	Probability		SEED	
fF2								
fF3								
fF4								
fF5								
fF6								
gF1								
gF2								
gF3								
gF4								
gF5								
gF6								

p1	PROB	Link
F1	RAN#	
F2	RANI#	
F3	Cyx	
F4	Pyx	
F5	x!	
F6	DISTR	https://47calc.com/doc/C47/Menus/C47_Menu_DISTR_page_1.pdf
fF1	SEED	
fF2		
fF3		
fF4		
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gF1		
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gF5		
gF6		