

R47v0 Ref page : CAT-FCNS					
Descriptions in https://47calc.com/doc/R47/Catalog/R47v0_Function_catalog.pdf					
1024 ⁿ □	10CMPL ○	10 ^x	16-BIT ○	1COMPL ○	1/x
2COMPL ○	2RCL	2ST0	2 ^x	32-BIT ○	3DROP
3DUP	3RCL	3RCL ₉₃	3RCLV ₉₀	3RCLZ ₉₆	3R↔3P
3ST0	3ST0 ₉₃	3STOV ₉₀	3STOZ ₉₆	3SWAP	$\sqrt[3]{x}$
42AIP	42ALENG	42ARCL	42AROT	42ASHF	42AST0
42ATOX	42AVIEW	42CLA	42DIM#	42KEYG	42KEYX
42POSA	42PRA	42PRMPT	42I-	42VRMNU	42XTOA
42α	4SWAP	64-BIT ○	82240 ○	8-BIT ○	9CMPL ○
ActUSB	ADM ₀	ADM#	AGM	AGRAPH	ALL ₃ ○
AllF	am(u,m)	AND	ANGLE?	ARCCOS	arcosh
ARCSIN	ARCTAN	arsinh	artanh	ASRn	ASSIGN
ATAN2	AtoSYM	AVIEW	a,b→m	BACK	BAL
BASE _{HP} ▢	BATT	BCD □	BCDUNS ○	BC?	BEEP
BeginP ○	BestF ₁	BestF#	BIN	Binom _p	Binom _Δ
Binom _Δ	Binom ⁻¹	B _n	BOLD □	BST	BS?
BUZZ	B _n [*]	B.SWP	Calc f	Calc f'	Calc f''
CARRY □	CASE	CauchF □	Cauch _p	Cauch _Δ	Cauch _Δ
Cauch ⁻¹	CB	CC	ceil	CENTRL	CF
CHS	CLCVAR	CLD	CLFALL	CLGRF	CLK12 ○
CLK24 ○	CLLCD	CLLCD _{xy}	CLMall	CLMENU	CLREGS
CLRM0D	CLSTK	CLTVM	CLVall	CLX	CLα
CLΣ	Cmatx?	CNORM	CNST	cn(u,m)	COMB
COMPLEX	Config?	CONJ	CONVG?	CORR	COS
cosh	COV	CPX _i ○	CPX _j ○	CPXmul □	CPXRES ▢
cpXSlv	cpXSlv _y ^x	CROSS	CSUM	C?	C→V ₂
C→R	C↔V ₂	Date→D	DAY	dBASE ₀	DBLR
DBLx	DBL÷	DEC	DECOMP	DECR	DEG ○
DELall	DELBkup	DELITM	DELMall	DELP	DELPall
DELvall	DENANY □	DENFIX □	DF ₀	DF#	DISK
DisU _p	DisU _Δ	DisU _Δ	DisU ⁻¹	dLrgLI ▢	DMCP
DMXX ₆₄	DMX ₆₄	DMXmax	DMX#	DMY ○	dn(u,m)
DOT	Draw	Draw _y ^x	DRG	DROPx	DROPy
DSE	dSI ₂	DSL	DSP ₃	dSTACK ₄	DSZ
DT→J	dZ.0 □	D.MS ○	D?	D→J	D→x
D→zyx	EDIT	EFF→I/a	EIGVAL	EIGVEC	e ^{ix}
END	ENDP ○	ENG ○	ENGOVR ○	ENORM	ENTER
ENTRY?	EQ.DEL	EQ.EDIT	EQ.NEW	erf	erfc
eRPN ▢	ERR	EVEN?	e ^x	EXITALL	ExpF □
EXPltr	EXPnrg	Expon _p	Expon _Δ	Expon _Δ	Expon ⁻¹
EXPreG	EXPstk	EXPT	EXPxfnx	e ^{x-1}	E(m)
E(φ,m)	f	FACTORS	FB	FBR	FCOM, ○
FC?	FC?C	FC?F	FC?S	FDIGS ₃₄	FDIGS#
FDOT ○	FF	fg.FUL ▢	fg.GR □	fg.LIM □	FIB
FILL	FIX ○	FLGS	floor	FNONE ○	FNSPC _Δ ○
FP	FPER. ○	FPGRP ₃	F _p (x)	FP?	FRACT □
FRCYC □	FSE _{ALL}	FSPC _Δ ○	FS?	FS?C	FS?F
FS?S	FTICK' ○	FUNDR _Δ ○	FWCOM, ○	FWDOT ○	FWPER. ○
FWSPC _Δ ○	FTWICK' ○	F(φ,m)	F _Δ (x)	F _Δ (x)	F ⁻¹ (p)
f/g	f'	f''	g	GaussF □	GCD
gd	gd ⁻¹	Geom _p	Geom _Δ	Geom _Δ	Geom ⁻¹
GEV _p	GEV _Δ	GEV _Δ	GEV ⁻¹	GRAD ○	GTO
g.2Tp ▢	HEX	HIDE ₀	HIDE#	HISTOX	HISTOY
H _n	HNORM	H _{nP}	HOMEb □	HOME _f ^g ▢	HOURL
HP12C □	HPL0T	Hyper _p	Hyper _Δ	Hyper _Δ	Hyper ⁻¹
HypF □	H.MS→T	H→T	i C ○	i LI ○	i LI/R ○
i R ○	ICOM, ○	IDIV	IDIVR	IDOT ○	Im
IMPORTTr	Im=0?	Im≠0?	INCR	INDEX	INONE ○
INPUT	INSPC _Δ ○	INT?	IP	IPER. ○	IPGRP ₃

IPGRP1 ₀	IPGRP1x ₀	IRFRAC □	ISE	ISG	ISM ₂
ISM#	ISPC _⊖ ⊗	ISZ	ITICK' ○	IUNDR _⊖ ○	IWCOM, ○
IWDOT • ○	IWPER. ○	IWSPC _⊖ ○	IWTICK' ○	I _{xyz}	IΓ _p
IΓ _q	iΠ _n	iΣ _n	I+	I-	I→EFF/a
I=V÷Z	JG.1582	JG.1752	JG.1873	JG.1949	J _y (x)
J+	J-	J/G	J/G#	J→DT	KEY _{A-F} ▢
KEYG	KEYMAP	KEYX	KEY.LP ▢	KEY?	KTYP
K(m)	k→m	LASTT	LASTx	LB	LBL
LBL?	LCM	LEAD.0 □	LEAP?	LgNrm _p	LgNrm _⊖
LgNrm _⊖	LgNrm ⁻¹	LinF ▢	LINPOL	LINT	LINT?
LJ	L _m	L _m ^(α)	LN	LNβ	LNΓ
LN(1+x)	LOAD	LOADP	LOADR	LOADSS	LOADST
LOADV	LOADΣ	LocR	LocR#	LOG	LogF □
Logis _p	Logis _⊖	Logis _⊖	Logis ⁻¹	LOG _x y	LR:a0
LR:a1	LR:a2	LSTERR	L.R.	MAN ⊗	MANT
Martel ○	MASKL	MASKR	MATR?	Mat_X	MAX
MDY ○	MEM	MENU	MENU#	MIN	MINUTE
MIRROR	MNU _p 1 ▢	MOD	MONTH	MSG	MULTx ⊗
MULT• ○	MULπ ○	MVAR	MyMb ▢	MyM _f ^g □	M.C47
M.C47+	M.CMAX	M.CMIN	M.CNCTB	M.CNCTR	M.COL+1
M.CPX	M.C _z C	M.DELC	M.DELR	M.DIM	M.DIMgr
M.DIMN#	M.EDIT	M.EDITN	M.ENG	M.FACT	M.FIN
M.FIND	M.FIN+	M.GETM	M.GOTO	M.GROW ○	M.IDENT
M.INSR	M.INSR	M.LU	M.NEW	M.OLD	M.PUTM
M.QR	M.R47	M.R47+	M.ROW+1	M.R _z R	M.SAV
M.SAV+	M.SQRT	M.SQR?	M.WRAP ⊗	m→k	M→zyx
m→θ	NAND	NaN?	NBin _p	NBin _⊖	NBin _⊖
NBin ⁻¹	NDEC#	NDEC ₃	NDROP	NDUP	NEIGHB
NEXTP	NNZ	NOP	NOR	NORM ○	Norml _p
Norml _⊖	Norml _⊖	Norml ⁻¹	NOT	NSWAP	NUMBR?
NXTPER	nΣ	OCT	ODD?	OFF	OPENM
op_A	op_a	op_a ²	op_A ⁻¹	op_i	op_i⊗
OR	OrthoF □	OVERFL □	P1 ₁	P2 ₁₂	ParabF □
PAUSE	PERM	PGMDRV	PGMINT	PGMPLT	PGMSLV
PIXEL	PLAY	PLSTAT	PLT f	PLTFCNS	PLTRST
P _n	POINT	Poiss _p	Poiss _⊖	Poiss _⊖	Poiss ⁻¹
POLAR ○	PopLR	PowerF □	PRIME?	PRNTR □	PROMPT
PROPF _R ▢	Prto2 _p	Prto2 _⊖	Prto2 _⊖	Prto2 ⁻¹	Prto _p
Prto _⊖	Prto _⊖	Prto ⁻¹	PUTK	RAD ○	RANI#
RAN#	RCL	RCLCFG	RCLEL	RCLIJ	RCLS
RCLSEQ	RCLVEL	RCLVEL ₁	RCLVEL ₂	RCLVEL ₃	RCL+
RCL-	RCLx	RCL.SKP	RCL÷	RCL↑	RCL↓
RCOM, ○	RDOT• ○	RDP	Re	READP	realSlv
realSlv _y ^x	RECT ⊗	REGS	REM	RESET	ResetF
Re _z Im	Re=0?	Re≠0?	RJ	RL	RLC
RLCn	RLn	Rmatx?	RMD	RMODE ₀	RMODE#
RNG ₆₁₄₅	RNG#	R _{nn} →V	RNORM	RootF □	ROUND
ROUNDI	RPER. ⊗	RP _{HP} ▢	RR	RRC	RRCn
RRn	RSD	RSUM	RTN	RTN.SKP	RWCOM, ○
RWDOT • ○	RWPER. ○	R-CLR	R-COPY	R-SORT	R-SWAP
R?	R→C	R↑	R↓	s	SAVE
SAVEAUT	SAVEST	SB	SCATR	SCI ○	SCIOVR ⊗
SDIGS ₃₄	SDIGS#	SDL	SDR	SECOND	SEED
SETDAT	SETTIM	SF	SHOW	SH.4s □	SIG ○
SIG0 ▢	sign	SIGNMT ○	SIM_EQ	SIN	sinc
sincπ	sinh	SINT	SINT?	SKIP	SL
SLn	SLVC	SLVP	SLVQ	s _m	s _{mi}
s _m w	SNAP	sn(u,m)	SOLVE	SPCRES ▢	SPEC?
SR	SRESET	SRn	SSIZE4 ○	SSIZE8 ⊗	SSIZE#
SST	STATE	STATUS	ST0	STOCFG	STOEL
ST0IJ	STOP	STOPW	ST0S	ST0SEQ	STOVEL

STOVEL ₁	STOVEL ₂	STOVEL ₃	STO+	STO-	STO×
STO÷	STO↑	STO↓	STRACE ○	STRI?	s _w
s _{xy}	SYMtoA	s(a)	S.CHN ◇	S.DFLT ◇	S.EUR ◇
S.IND ◇	S.JPN ◇	S.UK ◇	S.USA ◇	TAN	tanh
TDISP ₀	TICKS	Time→T	T _n	STONE	TOP?
t _p (x)	TRACE ○	TYPE	tzyx→v ₄	tzyx↔v ₄	t _Δ (x)
t _Δ (x)	t ⁻¹ (p)	T?	T→zyx	t _z	ULP
U _n	UNDO	Unfm _p	Unfm _Δ	Unfm _Δ	Unfm ⁻¹
UNIT ○	UNITV	UNSIGN ○	UNZIP	v ₂ →yx	v ₂ [01]
v ₂ [10]	v ₂ →C	v ₃ →zyx	v ₃ →zyx _M	v ₃ →zyx _p	v ₃ [001]
v ₃ [010]	v ₃ [100]	v ₄ →tzyx	VARMNU	VECT2D?	VECT3D?
VERS	VIEW	VOL ₁₁	VOL↑ ₁₁	VOL↓ ₁₁	VOL#
V→R _{nn}	V=I×Z	WDAY	Weibl _p	Weibl _Δ	Weibl _Δ
Weibl ⁻¹	WHO	W _m	WOY	WOY _{ISO}	WOY _{ME}
WOY _{us}	WOY#	W _p	WRITEP	WRXPall	WSIZE ₆₄
WSIZE#	W ⁻¹	W.SWP	x̂	x̄	X→BAL
x̄ ₁	X10^X	X1/X	x ²	x ³	XACOS
XADD	XASIN	XATAN	XATAN2	XCHS	XCOS
XDIV	XDRG	XEQ	XEQ.SKIP	Xe^X	x̄ _G
x̄ _H	x _{IRR}	XLN	XLOG	x _{MAD}	x _{MAX}
x _{MEDN}	x _{MIN}	XMOD	XMOD ₄	XMULT	XNOR
XOR	XPORTP	XPOWER	x _{R1}	x _{R3}	x _{RANGE}
XRDP	x̄ _{RMS}	XRSD	XSIN	XSQR	XSQRT
XSUB	x _{SUM}	XTAN	x̄ _w	XXRTY	∛y
Xπ	X.EDIT	X.SWAP	x!	x→D	X→DEG
X→RAD	X→XFN	x→α	x _z	x _z y	x<?
x≤?	x=?	x≈?	x≠?	x≥?	x>?
x=+0?	x≥+0?	x≤-0?	x=-0?	x%ILE	ŷ
Y→Δ	YEAR	YMD ○	y ^x	yx→v ₂	yx↔v ₂
YY ₀	YYoff	YYtrack	Y _y (x)	y _z	ZIP
ZOOM	zyx→D	zyx→M	zyx→T	zyx→v ₃	zyx→v _{3M}
zyx→v _{3p}	zyx↔v ₃	z _z	Z=V÷I	αIP	αLEFT
αLENG	αLOWER	αMID	αPARSE	αPOS	αREV
αRIGHT	αRL	αRR	αSL	αSR	αUPPER
αTRIM	α→x	β(x,y)	Γ _{xy}	γ _{xy}	Γ(x)
Δ→Y	Δ%	Δ% _{x1}	ε	ε _m	ε _p
ζ(x)	Z(φ,m)	θ→m	Π _n	Π(n,m)	σ
σ ₀	σ ₁	σ ₁ [*]	ΣINT	σ _k	σ _k [*]
Σln ² x	Σln ² y	Σlnx	Σlnx·lny	Σlny	Σ _n
ΣPRN	σ _w	Σx	Σx ²	Σx ² y	Σx ² y ⁻¹
Σx ² ·lny	Σx ³	Σx ⁴	Σxy	Σxy ⁻¹	Σx ⁻¹
Σx ⁻¹ ·lny	Σx ⁻²	Σx·lny	Σy	Σy ²	Σy ⁻¹
Σy ⁻²	Σy·lnx	Σ+	Σ-	φ _E	φ _p
Φ _Δ	Φ _Δ	Φ ⁻¹	χ _p ² (x)	χ _Δ ² (x)	χ _Δ ² (x)
(χ ²) ⁻¹	(-1) ^x	[M] ^T	[M] ⁻¹	+	±∞?
-	x	xMOD	^MOD	.ms	.ms ⁻¹
÷	→CYL	→DEG	→D.MS	→GRAD	→I
→INT	→MULπ	→POLAR	→POL _{Cx}	→POL _{hp}	→RAD
→REAL	→RECT	→RECT _{Cx}	→RECT _{hp}	→SPH	→BIN
↓BIN	z		M	x	x _p
x̄-ȳ ₂	%	%MRR	%T	%Σ	%Σ,Δ% _{x1}
%+MG	√x̄	√(1+x ²)	∞Σ _n	∫f d	∫ _y
⌘	⌘x̄,ȳ	⌘ADV	⌘ALLr	⌘CHAR	⌘DELAY ₁₈
⌘LCD	⌘LIST	⌘MODE	⌘OFF ○	⌘ON ○	⌘PROG
⌘r	⌘REGS	⌘STK	⌘TAB	⌘USER	⌘WIDTHH
⌘x	⌘XFN	⌘xy	⌘α	⌘Σ	⌘#
#B					