

CLK	Clock					
g-shift	$zyx \rightarrow D$	$x \rightarrow D$	$zyx \rightarrow T$	$H.MS \rightarrow T$	$H \rightarrow T$	YY_0
f-shift	$D \rightarrow zyx$	$D \rightarrow x$	$T \rightarrow zyx$	$.ms^{-1}$	$.d$	LEAP?
unshifted	$Date \rightarrow D$	$D \rightarrow J$	$Time \rightarrow T$	$DT \rightarrow J$	$J \rightarrow DT$	STOPW
Page 1	F1	F2	F3	F4	F5	F6

Prev menu https://47calc.com/doc/R47/Menus/R47v0_Menu_Chef_page_2.pdf

Next menu https://47calc.com/doc/R47/Menus/R47v0_Menu_CLK_page_2.pdf

Ref 1 https://47calc.com/doc/R47/Reference/R47v0_Date_formats.pdf

Ref 2 https://47calc.com/doc/Application%20Notes/AN0014_C47_JM_dms_hms_and_ms.pdf

Level	Label	Type	FullName	Extended description	Category	Flag	Catalog	Default
Menu p1	CLK	MENU	Clock	Clock functions, including setting date and time and julian day numbers (astronomy) ; Info : Use TDISP to set time display format : 0 = full ; 1,2 = hours/minutes ; 3 = hours/minutes/seconds ; 4,5,6 = 1,2,3 decimal places for the seconds ; Ref : https://47calc.com/doc/R47/Reference/R47v0_Date_formats.pdf	Time functions		CLK	
F1	Date→D	Command	Date	Current date ; TI : Weekday (shown for dates in X, Y, Z)	Time functions		Date→D	
F2	D→J	Function (monadic)	Date to Julian day number	Convert date to Julian day number (JDN) ; Info : Years are astronomical, 0 equals 1 BCE ; JDN .0 equals noon!	Time functions		D→J	
F3	Time→T	Command	Time	Current time	Time functions		Time→T	
F4	DT→J	Function (dyadic)	Date-time to Julian day number	Convert date, time in stack to Julian day number (JDN) ; Info : Date, time can be in Y, X or X, Y ; Years are astronomical, 0 equals 1 BCE ; JDN .0 equals noon!	Time functions		DT→J	
F5	J→DT	Command	Julian day number to date-time	Convert Julian day number (JDN) to date in Y and time in X ; Info : Years are astronomical, 0 equals 1 BCE ; JDN .0 equals noon!	Time functions		J→DT	
F6	STOPW	App	Stopwatch	Stopwatch with running time, counter and countdown (playing BEEP after running down) ; SBI : ⏱	Time functions	RUNTIM	STOPW	
fF1	D→zyx	Function (monadic)	Decompose date	Decompose date to Z, Y, X according to CLK settings for date format	Time functions		D→zyx	
fF2	D→x	Function (monadic)	Date to X	Convert date to date input number according to CLK date format settings DD.MM.YYYY, MM/DD/YYYY or YYYY-MM-DD ; implied conversion set by YY does not apply ; TI : yyyy.mmdd:	Time functions		D→x	
fF3	T→zyx	Function (monadic)	Decompose time	Decompose time to 24H hours in Z, minutes in Y, seconds in X	Time functions		T→zyx	
fF4	.ms ⁻¹	Function (monadic)	Sexagesimal	Convert hh:mm:ss hours or dd°mm'ss" degrees to sexagesimal format number (untag) ; TI : hh/dd.mmss: ; Info : puts sexagesimal NIM input of .ms back as decimal number on the stack	Time/angle conversions		.ms ⁻¹	
fF5	.d	Function (monadic)	Decimal (Real) or Date	Convert to decimal (Real) or date value ; untag (ADM) angle ; clear Fractions Mode, #BASE Mode ; convert angles / Times / Dates to Real ; convert NIM input to Date (according to CLK date format settings and implied conversion set by YY ; convert Complex number with zero imaginary part to Real ; when editing angles using EDIT, key .d removes the angle tag (Normal Mode and PEM) ; when editing short integers, key .d removes the base (Normal Mode and PEM) ; in PEM, .d registers as →REAL ; TI : decimal h: or yyyy.mmdd: ; Ref : https://47calc.com/doc/R47/Reference/R47v0_Date_formats.pdf	Reals	FRACT		
fF6	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?	
gF1	zyx→D	Function (triadic)	Compose date	Compose date from Z, Y, X according to CLK date format settings DD.MM.YYYY, MM/DD/YYYY or YYYY-MM-DD ; implied conversion set by YY does not apply ; TI : Weekday ; Ref : https://47calc.com/doc/R47/Reference/R47v0_Date_formats.pdf	Time functions		zyx→D	
gF2	x→D	Function (monadic)	X to date	Convert date input number to date according to CLK date format settings DD.MM.YYYY, MM/DD/YYYY or YYYY-MM-DD ; implied conversion set by YY does not apply ; TI : Weekday ; Ref : https://47calc.com/doc/R47/Reference/R47v0_Date_formats.pdf	Time functions		x→D	
gF3	zyx→T	Function (monadic)	Compose time	Compose time from 24H hours in Z, minutes in Y, seconds in X	Time functions		zyx→T	
gF4	H.MS→T	Function (monadic)	Convert sexagesimal to time	Convert sexagesimal format input sequence to hh:mm:ss hours ; Info : NIM input treated as sexagesimal (hh.mmss) format ; stack input treated as decimal value	Time functions		H.MS→T	
gF5	H→T	Function (monadic)	Convert decimal hours to time	Convert decimal hours to hh:mm:ss hours ; Info : NIM input treated as sexagesimal (hh.mmss) format ; stack input treated as decimal value ; zero time (interval) displayed as "0.1s"	Time functions		H→T	
gF6	YY ₀	Setting (pgm)	Two digit year limit	Set the limit <ccyy> for two digit year conversion in function .d (in NIM only), up to which the specified (tracked) century <cc> is implied and above which the prior century <cc-1> is used ; TAM : YY ____ TamNonRegTrk menu ; Info : Displayed with subscript <ccyy> as YY _{ccyy}	Time functions		YY ₀	0