

R47v0 Commands and functions index

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
Acceleration conversions	$\text{ft/s}^2 \rightarrow \text{m/s}^2$	Function (monadic, linked)		Menu [FLoads.1] gF6	ft/s^2 to m/s^2	Convert foot per second squared to metre per second squared (TI : m/s^2); Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Floads_page_1.pdf	CONVHP	SET	<no annunciator>
	$\text{in/s}^2 \rightarrow \text{m/s}^2$	Function (monadic, linked)		Menu [FLoads.1] fF6	in/s^2 to m/s^2	Convert inch per second squared to metre per second squared (TI : m/s^2); Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Floads_page_1.pdf	CONVHP	SET	<no annunciator>
	$\text{m/s}^2 \rightarrow \text{ft/s}^2$	Function (monadic, linked)		Menu [FLoads.1] gF5	m/s^2 to ft/s^2	Convert metre per second squared to foot per second squared (TI : ft/s^2); Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Floads_page_1.pdf	CONVHP	SET	<no annunciator>
	$\text{m/s}^2 \rightarrow \text{in/s}^2$	Function (monadic, linked)		Menu [FLoads.1] fF5	m/s^2 to in/s^2	Convert metre per second squared to inch per second squared (TI : in/s^2); Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Floads_page_1.pdf	CONVHP	SET	<no annunciator>
Angle conversions	deg→grad	Function (monadic, linked)		Menu [Angle.1] F3	deg to grad	Convert degree to gradian (untagged) (TI : grad); Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Angle_page_1.pdf	CONVHP	SET	<no annunciator>
	deg→rad	Function (monadic, linked)		Menu [Angle.1] F1	deg to rad	Convert degree to radian (untagged) (TI : rad); Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Angle_page_1.pdf	CONVHP	SET	<no annunciator>
	DRG	Function (monadic, cyclic, nonpgm)		Menu [MyM1] F1	Degrees-radians-gradians	Add ADM tag to untagged value in X, convert tagged value to degrees-radians-gradians (cyclic) (Info : Setting tag for complex X also sets POLAR mode for X according to ADM) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_MyMenu_page_1.pdf			
				Menu [MyM5] F1	Degrees-radians-gradians	Add ADM tag to untagged value in X, convert tagged value to degrees-radians-gradians (cyclic) (Info : Setting tag for complex X also sets POLAR mode for X according to ADM) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_MyMenu_page_5.pdf			
				Menu [MyM9] F1	Degrees-radians-gradians	Add ADM tag to untagged value in X, convert tagged value to degrees-radians-gradians (cyclic) (Info : Setting tag for complex X also sets POLAR mode for X according to ADM) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_MyMenu_page_9.pdf			
				Menu [TRG.1] F6	Degrees-radians-gradians	Add ADM tag to untagged value in X, convert tagged value to degrees-radians-gradians (cyclic) (Info : Setting tag for complex X also sets POLAR mode for X according to ADM) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_TRG_page_1.pdf			
	DRG	Function (monadic, cyclic, nonpgm)		Keyboard [DRG]	Degrees-radians-gradians	Add ADM tag to untagged value in X, convert tagged value to degrees-radians-gradians (cyclic) (Info : Setting tag for complex X also sets POLAR mode for X according to ADM) Ref : https://N7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_3.pdf			
	DRG	Function (monadic, cyclic, nonpgm)		Keyboard normalSIM [>]	Degrees-radians-gradians	Add ADM tag to untagged value in X, convert tagged value to degrees-radians-gradians (cyclic) (Info : Setting tag for complex X also sets POLAR mode for X according to ADM) Ref : https://N7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_3.pdf			
	grad→deg	Function (monadic, linked)		Menu [Angle.1] F4	grad to deg	Convert gradian to degree (untagged) (TI : deg); Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Angle_page_1.pdf	CONVHP	SET	<no annunciator>
	grad→rad	Function (monadic, linked)		Menu [Angle.1] F5	grad to rad	Convert gradian to radian (untagged) (TI : rad); Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Angle_page_1.pdf	CONVHP	SET	<no annunciator>
	rad→deg	Function (monadic, linked)		Menu [Angle.1] F2	rad to deg	Convert radian to degree (untagged) (TI : deg); Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Angle_page_1.pdf	CONVHP	SET	<no annunciator>
	rad→grad	Function (monadic, linked)		Menu [Angle.1] F6	rad to grad	Convert radian to gradian (untagged) (TI : grad); Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Angle_page_1.pdf	CONVHP	SET	<no annunciator>
Angle tagging or conversion	◊D.MS	Function (monadic)		Menu [TRG.1] F4	Set D.MS tag or convert to D.MS	If untagged, set tag to D.MS (sexagesimal degrees); if tagged, convert X to D.MS ; does not change Angular Display Mode (Tag : °)" Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_TRG_page_1.pdf			
				Menu [TRG_R47.1] fF4	Set D.MS tag or convert to D.MS	If untagged, set tag to D.MS (sexagesimal degrees); if tagged, convert X to D.MS ; does not change Angular Display Mode (Tag : °)" Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_TRG_R47_page_1.pdf			
				Menu [Ellipt.1] gF5	Set D.MS tag or convert to D.MS	If untagged, set tag to D.MS (sexagesimal degrees); if tagged, convert X to D.MS ; does not change Angular Display Mode (Tag : °)" Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Ellipt_page_1.pdf			
	◊DEG	Function (monadic)		Menu [TRG.1] F1	Set DEG tag or convert to DEG	If untagged, set tag to DEG (degrees); if tagged, convert X to DEG ; does not change Angular Display Mode (Tag : °)" Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_TRG_page_1.pdf			
				Menu [TRG....1] F1	Set DEG tag or convert to DEG	If untagged, set tag to DEG (degrees); if tagged, convert X to DEG ; does not change Angular Display Mode (Tag : °)" Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_TRG_MORE_page_1.pdf			
				Menu [TRG_R47.1] fF1	Set DEG tag or convert to DEG	If untagged, set tag to DEG (degrees); if tagged, convert X to DEG ; does not change Angular Display Mode (Tag : °)" Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_TRG_R47_page_1.pdf			
				Menu [VECTOR.1] gF1	Set DEG tag or convert to DEG	If untagged, set tag to DEG (degrees); if tagged, convert X to DEG ; does not change Angular Display Mode (Tag : °)" Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_VECTOR_page_1.pdf			
				Menu [VECTOR.2] gF1	Set DEG tag or convert to DEG	If untagged, set tag to DEG (degrees); if tagged, convert X to DEG ; does not change Angular Display Mode (Tag : °)" Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_VECTOR_page_2.pdf			
				Menu [ELEC.1] fF1	Set DEG tag or convert to DEG	If untagged, set tag to DEG (degrees); if tagged, convert X to DEG ; does not change Angular Display Mode (Tag : °)" Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_ELEC_page_1.pdf			
				Menu [Ellipt.1] gF4	Set DEG tag or convert to DEG	If untagged, set tag to DEG (degrees); if tagged, convert X to DEG ; does not change Angular Display Mode (Tag : °)" Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Ellipt_page_1.pdf			
	◊GRAD	Function (monadic)		Menu [TRG.1] F3	Set GRAD tag or convert to GRAD	If untagged, set tag to GRAD (gradians); if tagged, convert X to GRAD ; does not change Angular Display Mode (Tag : °)" Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_TRG_page_1.pdf			
				Menu [TRG....1] F3	Set GRAD tag or convert to GRAD	If untagged, set tag to GRAD (gradians); if tagged, convert X to GRAD ; does not change Angular Display Mode (Tag : °)" Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_TRG_MORE_page_1.pdf			

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				Menu [TRG_R47.1]fF3	Set GRAD tag or convert to GRAD	If untagged, set tag to GRAD (gradians) ; if tagged, convert X to GRAD ; does not change Angular Display Mode (Tag : °) Ref : https://n7calc.com/doc/R47/Menu/R47v0_Menu_TRG_R47_page_1.pdf			
	◀MULπ	Function (monadic)		Menu [TRG.1]F5	Set MULπ tag or convert to MULπ	If untagged, set tag to MULπ (multiple of pi radians) ; if tagged, convert X to MULπ ; does not change Angular Display Mode (Tag : °) Ref : https://n7calc.com/doc/R47/Menu/R47v0_Menu_TRG_page_1.pdf			
				Menu [TRG_R47.1]fF5	Set MULπ tag or convert to MULπ	If untagged, set tag to MULπ (multiple of pi radians) ; if tagged, convert X to MULπ ; does not change Angular Display Mode (Tag : °) Ref : https://n7calc.com/doc/R47/Menu/R47v0_Menu_TRG_R47_page_1.pdf			
				Menu [VECTOR.1]gF3	Set MULπ tag or convert to MULπ	If untagged, set tag to MULπ (multiple of pi radians) ; if tagged, convert X to MULπ ; does not change Angular Display Mode (Tag : °) Ref : https://n7calc.com/doc/R47/Menu/R47v0_Menu_VECTOR_page_1.pdf			
				Menu [VECTOR.2]gF3	Set MULπ tag or convert to MULπ	If untagged, set tag to MULπ (multiple of pi radians) ; if tagged, convert X to MULπ ; does not change Angular Display Mode (Tag : °) Ref : https://n7calc.com/doc/R47/Menu/R47v0_Menu_VECTOR_page_2.pdf			
	◀RAD	Function (monadic)		Menu [TRG.1]F2	Set RAD tag or convert to RAD	If untagged, set tag to RAD (radians) ; if tagged, convert X to RAD ; does not change Angular Display Mode (Tag : °) Ref : https://n7calc.com/doc/R47/Menu/R47v0_Menu_TRG_page_1.pdf			
				Menu [TRG....1]F2	Set RAD tag or convert to RAD	If untagged, set tag to RAD (radians) ; if tagged, convert X to RAD ; does not change Angular Display Mode (Tag : °) Ref : https://n7calc.com/doc/R47/Menu/R47v0_Menu_TRG_MORE_page_1.pdf			
				Menu [TRG_R47.1]fF2	Set RAD tag or convert to RAD	If untagged, set tag to RAD (radians) ; if tagged, convert X to RAD ; does not change Angular Display Mode (Tag : °) Ref : https://n7calc.com/doc/R47/Menu/R47v0_Menu_TRG_R47_page_1.pdf			
				Menu [VECTOR.1]gF2	Set RAD tag or convert to RAD	If untagged, set tag to RAD (radians) ; if tagged, convert X to RAD ; does not change Angular Display Mode (Tag : °) Ref : https://n7calc.com/doc/R47/Menu/R47v0_Menu_VECTOR_page_1.pdf			
				Menu [VECTOR.2]gF2	Set RAD tag or convert to RAD	If untagged, set tag to RAD (radians) ; if tagged, convert X to RAD ; does not change Angular Display Mode (Tag : °) Ref : https://n7calc.com/doc/R47/Menu/R47v0_Menu_VECTOR_page_2.pdf			
				Menu [ELEC.1]fF2	Set RAD tag or convert to RAD	If untagged, set tag to RAD (radians) ; if tagged, convert X to RAD ; does not change Angular Display Mode (Tag : °) Ref : https://n7calc.com/doc/R47/Menu/R47v0_Menu_ELEC_page_1.pdf			
				Menu [Ellipt.1]gF6	Set RAD tag or convert to RAD	If untagged, set tag to RAD (radians) ; if tagged, convert X to RAD ; does not change Angular Display Mode (Tag : °) Ref : https://n7calc.com/doc/R47/Menu/R47v0_Menu_Ellipt_page_1.pdf			
	ADM ₀	Command	0	Menu [INFO.3]fF1	Set angular display mode	Set angular display mode to X ; also set interactively from menu TRG_R47 formats or from catalog (DEG ; D.MS ; RAD ; MULπ ; GRAD) (Info : DEG : 0 ; D.MS : 1 ; RAD : 2 ; MULπ : 3 ; GRAD : 4) Ref : https://n7calc.com/doc/R47/Menu/R47v0_Menu_INFO_page_3.pdf			
	ADM ₈	Command	0	Menu [INFO.3]F1	Get angular display mode	Get angular display mode ; set interactively from menu TRG_R47 formats or from catalog (DEG ; D.MS ; RAD ; MULπ ; GRAD) and by ADM (Info : DEG : 0 ; D.MS : 1 ; RAD : 2 ; MULπ : 3 ; GRAD : 4) Ref : https://n7calc.com/doc/R47/Menu/R47v0_Menu_INFO_page_3.pdf			
Angular/Speed conversions	deg/s→rad/s	Function (monadic, linked)		Menu [Angle.1]fF5	deg/s to rad/s	Convert degree per second to radian per second (TI : rad/s) Ref : https://n7calc.com/doc/R47/Menu/R47v0_Menu_Angle_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	deg/s→RPM	Function (monadic, linked)		Menu [Angle.1]fF2	deg/s to RPM	Convert degree per second to rotation per minute (TI : RPM) Ref : https://n7calc.com/doc/R47/Menu/R47v0_Menu_Angle_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	rad/s→deg/s	Function (monadic, linked)		Menu [Angle.1]fF6	rad/s to deg/s	Convert radian per second to degree per second (TI : deg/s) Ref : https://n7calc.com/doc/R47/Menu/R47v0_Menu_Angle_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	rad/s→RPM	Function (monadic, linked)		Menu [Angle.1]fF4	rad/s to RPM	Convert radian per second to rotation per minute (TI : RPM) Ref : https://n7calc.com/doc/R47/Menu/R47v0_Menu_Angle_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	RPM→deg/s	Function (monadic, linked)		Menu [Angle.1]fF1	RPM to deg/s	Convert rotation per minute to degree per second (TI : deg/s) Ref : https://n7calc.com/doc/R47/Menu/R47v0_Menu_Angle_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	RPM→rad/s	Function (monadic, linked)		Menu [Angle.1]fF3	RPM to rad/s	Convert rotation per minute to radian per second (TI : rad/s) Ref : https://n7calc.com/doc/R47/Menu/R47v0_Menu_Angle_page_1.pdf	CONV _{HP}	SET	<no annunciator>
Area conversions	acre→ha	Function (monadic, linked)		Menu [Area.1]F1	acre to ha	Convert acre to hectare (TI : ha) Ref : https://n7calc.com/doc/R47/Menu/R47v0_Menu_Area_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	acre _{US} →ha	Function (monadic, linked)		Menu [Area.1]fF1	acre _{US} to ha	Convert US acre to hectare (TI : ha) Ref : https://n7calc.com/doc/R47/Menu/R47v0_Menu_Area_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	ft ² →ha	Function (monadic, linked)		Menu [Area.1]gF1	ft ² to ha	Convert square foot to hectare (TI : ha) Ref : https://n7calc.com/doc/R47/Menu/R47v0_Menu_Area_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	ft ² →m ²	Function (monadic, linked)		Menu [Area.1]gF3	ft ² to m ²	Convert square foot to square metre (TI : m ²) Ref : https://n7calc.com/doc/R47/Menu/R47v0_Menu_Area_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	ha→acre	Function (monadic, linked)		Menu [Area.1]F2	ha to acre	Convert hectare to acre (TI : acre) Ref : https://n7calc.com/doc/R47/Menu/R47v0_Menu_Area_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	ha→acre _{US}	Function (monadic, linked)		Menu [Area.1]fF2	ha to acre _{US}	Convert hectare to US acre (TI : acre _{US}) Ref : https://n7calc.com/doc/R47/Menu/R47v0_Menu_Area_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	ha→ft ²	Function (monadic, linked)		Menu [Area.1]gF2	ha to ft ²	Convert hectare to square foot (TI : ft ²) Ref : https://n7calc.com/doc/R47/Menu/R47v0_Menu_Area_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	ha→km ²	Function (monadic, linked)		Menu [Area.1]gF5	ha to km ²	Convert hectare to square kilometre (TI : km ²) Ref : https://n7calc.com/doc/R47/Menu/R47v0_Menu_Area_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	ha→m ²	Function (monadic, linked)		Menu [Area.1]F3	ha to m ²	Convert hectare to square metre (TI : m ²) Ref : https://n7calc.com/doc/R47/Menu/R47v0_Menu_Area_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	in ² →mm ²	Function (monadic, linked)		Menu [SecPrp.1]fF3	in ² to mm ²	Convert square inch to square millimetre (TI : mm ²) Ref : https://n7calc.com/doc/R47/Menu/R47v0_Menu_SecPrp_page_1.pdf	CONV _{HP}	SET	<no annunciator>

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	km ² →ha	Function (monadic, linked)		Menu [Area:1] gF6	km ² to ha	Convert square kilometre to hectare (TI : ha) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Area_page_1.pdf	CONVhp	SET	<no annunciator>
	km ² →mi ²	Function (monadic, linked)		Menu [Area:1] F6	km ² to mi ²	Convert square kilometre to square mile (TI : mi ²) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Area_page_1.pdf	CONVhp	SET	<no annunciator>
	km ² →nmi ²	Function (monadic, linked)		Menu [Area:1] fF6	km ² to nmi ²	Convert square kilometre to square nautical mile (TI : nmi ²) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Area_page_1.pdf	CONVhp	SET	<no annunciator>
	m ² →ft ²	Function (monadic, linked)		Menu [Area:1] gF4	m ² to ft ²	Convert square metre to square foot (TI : ft ²) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Area_page_1.pdf	CONVhp	SET	<no annunciator>
	m ² →ha	Function (monadic, linked)		Menu [Area:1] F4	m ² to ha	Convert square metre to hectare (TI : ha) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Area_page_1.pdf	CONVhp	SET	<no annunciator>
	m ² →mū	Function (monadic, linked)		Menu [Area:1] fF4	m ² to mū	Convert square metre to mū (TI : mū) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Area_page_1.pdf	CONVhp	SET	<no annunciator>
	mi ² →km ²	Function (monadic, linked)		Menu [Area:1] F5	mi ² to km ²	Convert square mile to square kilometre (TI : km ²) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Area_page_1.pdf	CONVhp	SET	<no annunciator>
	mm ² →in ²	Function (monadic, linked)		Menu [SecPrp:1] fF4	mm ² to in ²	Convert square millimetre to square inch (TI : in ²) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_SecPrp_page_1.pdf	CONVhp	SET	<no annunciator>
	mū→m ²	Function (monadic, linked)		Menu [Area:1] fF3	mū to m ²	Convert mū to square metre (TI : m ²) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Area_page_1.pdf	CONVhp	SET	<no annunciator>
	nmi ² →km ²	Function (monadic, linked)		Menu [Area:1] fF5	nmi ² to km ²	Convert square nautical mile to square kilometre (TI : km ²) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Area_page_1.pdf	CONVhp	SET	<no annunciator>
Bits and bytes	AND	Function (dyadic)		Menu [BASE:1] fF1	AND	Bitwise AND Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_BASE_page_1.pdf			
				Menu [BITS:1] F1	AND	Bitwise AND Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_BITS_page_1.pdf			
				Menu [BASE2:1] fF1	AND	Bitwise AND Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_BASE2_page_1.pdf			
	ASRn	Function (monadic)		Menu [BITS:2] gF2	Arithmetic Shift Right	Arithmetic Shift Right with number of bits, preserving the sign of signed integers (trailing input) (TAM : ASRn __ TamNonReg menu) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_BITS_page_2.pdf			
				Menu [BITSHFT (BITS).1] gF2	Arithmetic Shift Right	Arithmetic Shift Right with number of bits, preserving the sign of signed integers (trailing input) (TAM : ASRn __ TamNonReg menu) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_BITSHFT_page_1.pdf			
	BC?	Command (logical)		Menu [BITS:1] gF3	Bit clear?	Test bit n is clear (TAM : BC? __ TamNonReg menu) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_BITS_page_1.pdf			
	FB	Function (monadic)		Menu [BITS:1] gF6	Flip bit	Flip bit n (TAM : FB __ TamNonReg menu) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_BITS_page_1.pdf			
	LJ	Function (monadic)		Menu [BITS:2] gF3	Left justify	Left justify (within word size) ; returns shift in X and result in Y Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_BITS_page_2.pdf			
				Menu [BITSHFT (BITS).1] gF3	Left justify	Left justify (within word size) ; returns shift in X and result in Y Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_BITSHFT_page_1.pdf			
	MASKL	Function (monadic)		Menu [BITS:1] F5	Left bit mask	Set left n bits to use as mask (TAM : MASKL __ TamNonReg menu) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_BITS_page_1.pdf			
	MASKR	Function (monadic)		Menu [BITS:1] F6	Right bit mask	Set right n bits to use as mask (TAM : MASKR __ TamNonReg menu) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_BITS_page_1.pdf			
	MIRROR	Function (monadic)		Menu [BITS:2] gF1	Mirror bits	Flip bits Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_BITS_page_2.pdf			
				Menu [BITSHFT (BITS).1] gF1	Mirror bits	Flip bits Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_BITSHFT_page_1.pdf			
	NAND	Function (dyadic)		Menu [BITS:1] fF1	Not AND	Logical not AND (bitwise) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_BITS_page_1.pdf			
	NOR	Function (dyadic)		Menu [BITS:1] fF2	NOR	Logical not OR (bitwise) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_BITS_page_1.pdf			
	NOT	Function (monadic)		Menu [BASE:1] fF4	NOT	Bitwise NOT Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_BASE_page_1.pdf			
				Menu [BITS:1] F4	NOT	Bitwise NOT Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_BITS_page_1.pdf			
				Menu [BASE2:1] fF4	NOT	Bitwise NOT Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_BASE2_page_1.pdf			
	OR	Function (dyadic)		Menu [BASE:1] fF2	OR	Bitwise OR Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_BASE_page_1.pdf			
				Menu [BITS:1] F2	OR	Bitwise OR Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_BITS_page_1.pdf			
				Menu [BASE2:1] fF2	OR	Bitwise OR Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_BASE2_page_1.pdf			
	RJ	Function (monadic)		Menu [BITS:2] gF4	Right justify	Right justify (within word size) ; returns shift in X and result in Y Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_BITS_page_2.pdf			
				Menu [BITSHFT (BITS).1] gF4	Right justify	Right justify (within word size) ; returns shift in X and result in Y Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_BITSHFT_page_1.pdf			
	RL	Function (monadic)		Menu [BITS:2] F3	Rotate Left (1)	Shortcut to Rotate Left (1 bit) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_BITS_page_2.pdf			
				Menu [BITSHFT (BITS).1] F3	Rotate Left (1)	Shortcut to Rotate Left (1 bit) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_BITSHFT_page_1.pdf			
	RLC	Function (monadic)		Menu [BITS:2] F5	Rotate Left through Carry (1)	Shortcut to Rotate Left through Carry (1 bit) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_BITS_page_2.pdf			
				Menu [BITSHFT (BITS).1] F5	Rotate Left through Carry (1)	Shortcut to Rotate Left through Carry (1 bit) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_BITSHFT_page_1.pdf			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	RLCn	Function (monadic)		Menu [BITS.2] fF5	Rotate Left through Carry	Rotate Left through Carry with number of bits (trailing input) (TAM : RLCn __ TamNonReg menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_BITS_page_2.pdf			
				Menu [BITSHT (BITS).1] fF5	Rotate Left through Carry	Rotate Left through Carry with number of bits (trailing input) (TAM : RLCn __ TamNonReg menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_BITSHT_page_1.pdf			
	RLn	Function (monadic)		Menu [BITS.2] fF3	Rotate Left	Rotate Left with number of bits (trailing input) (TAM : RLn __ TamNonReg menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_BITS_page_2.pdf			
				Menu [BITSHT (BITS).1] fF3	Rotate Left	Rotate Left with number of bits (trailing input) (TAM : RLn __ TamNonReg menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_BITSHT_page_1.pdf			
	RR	Function (monadic)		Menu [BITS.2] F4	Rotate right (1)	Shortcut to Rotate right (1 bit) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_BITS_page_2.pdf			
				Menu [BITSHT (BITS).1] F4	Rotate right (1)	Shortcut to Rotate right (1 bit) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_BITSHT_page_1.pdf			
	RRC	Function (monadic)		Menu [BITS.2] F6	Rotate Right through Carry (1)	Shortcut to Rotate Right through Carry (1 bit) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_BITS_page_2.pdf			
				Menu [BITSHT (BITS).1] F6	Rotate Right through Carry (1)	Shortcut to Rotate Right through Carry (1 bit) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_BITSHT_page_1.pdf			
	RRCn	Function (monadic)		Menu [BITS.2] F6	Rotate Right through Carry	Rotate Right through Carry with number of bits (trailing input) (TAM : RRCn __ TamNonReg menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_BITS_page_2.pdf			
				Menu [BITSHT (BITS).1] fF6	Rotate Right through Carry	Rotate Right through Carry with number of bits (trailing input) (TAM : RRCn __ TamNonReg menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_BITSHT_page_1.pdf			
	RRn	Function (monadic)		Menu [BITS.2] F4	Rotate right	Rotate right with number of bits (trailing input) (TAM : RRn __ TamNonReg menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_BITS_page_2.pdf			
				Menu [BITSHT (BITS).1] fF4	Rotate right	Rotate right with number of bits (trailing input) (TAM : RRn __ TamNonReg menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_BITSHT_page_1.pdf			
	UNZIP	Function (monadic)		Menu [BITS.1] fF8	Unzip	De-interleave (unzip) bits of X into Y and X, using most significant bit for Y Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_BITS_page_1.pdf			
	WSIZE#	Command	64	Menu [INFO.2] fF6	Get word size	Get word size in bits, for Short integer (8.02-8.16) (TI : Bits = ; Info : set by WSIZE) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_INFO_page_2.pdf			
	XNOR	Function (dyadic)		Menu [BITS.1] fF3	Exclusive NOR	Logical exclusive NOR (bitwise) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_BITS_page_1.pdf			
	XOR	Function (dyadic)		Menu [BASE.1] fF3	XOR	Bitwise XOR (exclusive OR) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_BASE_page_1.pdf			
				Menu [BITS.1] F3	XOR	Bitwise XOR (exclusive OR) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_BITS_page_1.pdf			
				Menu [BASE2.1] fF3	XOR	Bitwise XOR (exclusive OR) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_BASE2_page_1.pdf			
	ZIP	Function (dyadic)		Menu [BITS.1] fF5	Zip	Interleave (zip) bits of Y and X, starting with most significant bit of Y Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_BITS_page_1.pdf			
Cleanup	+	Command (nonpgm)		Keyboard normalSIM [BKSPC]	Backspace	Backspace : clear input when in Numeric Input Mode ; when not in NIM, executes DROPx ; CLX depending on whether flag +DROP is SET or CLEAR (default CLEAR) (Info : To assign + to a key or button, use ASN (g[DRG]) and spell the name as 'BKSPC' ; Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Assignment.pdf) Ref : https://n7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_4.pdf	+DROP	CLEAR	<no annunciator>
	+	Command (nonpgm)		Keyboard alphaSIM [BKSPC]	Backspace	Backspace : clear input when in Numeric Input Mode ; when not in NIM, executes DROPx ; CLX depending on whether flag +DROP is SET or CLEAR (default CLEAR) (Info : To assign + to a key or button, use ASN (g[DRG]) and spell the name as 'BKSPC' ; Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Assignment.pdf) Ref : https://n7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_4.pdf	+DROP	CLEAR	<no annunciator>
	+	Command (nonpgm)		Keyboard [+]	Backspace	Backspace : clear input when in Numeric Input Mode ; when not in NIM, executes DROPx ; CLX depending on whether flag +DROP is SET or CLEAR (default CLEAR) (Info : To assign + to a key or button, use ASN (g[DRG]) and spell the name as 'BKSPC' ; Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Assignment.pdf) Ref : https://n7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_4.pdf	+DROP	CLEAR	<no annunciator>
	+	Command (nonpgm)		Keyboard alpha [+]	Backspace	Backspace : clear input when in Numeric Input Mode ; when not in NIM, executes DROPx ; CLX depending on whether flag +DROP is SET or CLEAR (default CLEAR) (Info : To assign + to a key or button, use ASN (g[DRG]) and spell the name as 'BKSPC' ; Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Assignment.pdf) Ref : https://n7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_4.pdf	+DROP	CLEAR	<no annunciator>
	+	Command (nonpgm)		Keyboard TAM [+]	Backspace	Backspace : clear input when in Numeric Input Mode ; when not in NIM, executes DROPx ; CLX depending on whether flag +DROP is SET or CLEAR (default CLEAR) (Info : To assign + to a key or button, use ASN (g[DRG]) and spell the name as 'BKSPC' ; Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Assignment.pdf) Ref : https://n7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_4.pdf	+DROP	CLEAR	<no annunciator>
	+	Command (nonpgm)		Keyboard #TAM [+]	Backspace	Backspace : clear input when in Numeric Input Mode ; when not in NIM, executes DROPx ; CLX depending on whether flag +DROP is SET or CLEAR (default CLEAR) (Info : To assign + to a key or button, use ASN (g[DRG]) and spell the name as 'BKSPC' ; Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Assignment.pdf) Ref : https://n7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_4.pdf	+DROP	CLEAR	<no annunciator>
	CLCVAR	Command		Menu [CLR.1] F3	Clear current (program) variables	Clear current program variables Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_CLR_page_1.pdf			
	CLD	Command		Menu [CLR.1] fF4	Clear message from display	Clear message from display Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_CLR_page_1.pdf			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	CLFAll	Command		Menu [CLR.1]fF1	Clear (user) flags	Clear all user flags (numbered and lettered) (YESNO : Clear all flags? ; TI : All global user flags cleared) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_CLR_page_1.pdf			
				Menu [FLAG.1]gF6	Clear (user) flags	Clear all user flags (numbered and lettered) (YESNO : Clear all flags? ; TI : All global user flags cleared) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_FLAG_page_1.pdf			
	CLGRF	Command (nonpgm)		Menu [CLR.1]gF4	Clear graph	Clear graph Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_CLR_page_1.pdf			
	CLLCD	Command (42)		Menu [CLR.1]fF5	Clear LCD	Clear the whole LCD display ; this is a 42-compatibility command Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_CLR_page_1.pdf			
	CLLCD _{xy}	Command		Catalog CAT.FCNS CLLCD _{xy}	Clear LCD (screen)	Clear (part of) the display, starting at X and Y (Info : Range is X in [0, 399] and Y in [0, 239] (400 x 240 display, where (0, 0) is bottom left) ; -0. is accepted as a valid negative input for line drawing)			
	CLMAll	Command		Menu [CLR.1]fF2	Clear all menus	Clear assignments to all user defined menus (YESNO : Clear all user menus? ; TI : All user menus cleared) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_CLR_page_1.pdf			
	CLMENU	Command		Menu [CLR.1]F2	Clear (program) menu	Clear the programmable menu Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_CLR_page_1.pdf			
				Menu [P.FN2.1]fF3	Clear (program) menu	Clear the programmable menu Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_P-FN2_page_1.pdf			
	CLREGS	Command		Menu [CLR.1]fF6	Clear registers	Clear registers : general purpose 00-99 and IJKMNPQRS EF GH OUVW, local .00-.99 (if allocated) ; when stack size is 8, does not clear XYZT ABCD ; when stack size is 4, does not clear XYZT, but DOES clear ABCD (YESNO : Clear registers?) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_CLR_page_1.pdf	SSIZE8	SET	8 ; 4
	CLRM0D	Command		Menu [CLR.1]gF2	Clear modes	Clear all menus, entry, fraction and base modes ; when used while plotting in Program Entry Mode, leaves a graph and carries on (Shortcut : longerpress [EXIT] ; NIM longer [EXIT] ; alpha longer [EXIT] ; PEM longest [EXIT] ; EIM longer [EXIT]) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_CLR_page_1.pdf			
	CLRM0D	Command		Keyboard longerpress [EXIT]	Clear modes	Clear all menus, entry, fraction and base modes ; when used while plotting in Program Entry Mode, leaves a graph and carries on (Shortcut : longerpress [EXIT] ; NIM longer [EXIT] ; alpha longer [EXIT] ; PEM longest [EXIT] ; EIM longer [EXIT]) Ref : https://r7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_8.pdf			
	CLSTK	Command		Menu [CLR.1]F6	Clear stack	Clear stack registers : when stack size is 8, clears XYZT ABCD ; when stack size is 4, clears XYZT ; if setting iLI is ON, the stack is filled with 0 (Long integers) ; when used while plotting, CLSTK returns to the normal screen as the stack is expected to show, implying an exit from graph and other modes (Shortcut : longpress [+]) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_CLR_page_1.pdf	SSIZE8	SET	8 ; 4
				Menu [STK.1]F6	Clear stack	Clear stack registers : when stack size is 8, clears XYZT ABCD ; when stack size is 4, clears XYZT ; if setting iLI is ON, the stack is filled with 0 (Long integers) ; when used while plotting, CLSTK returns to the normal screen as the stack is expected to show, implying an exit from graph and other modes (Shortcut : longpress [+]) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_STK_page_1.pdf	SSIZE8	SET	8 ; 4
				Menu [VECTOR.1]F6	Clear stack	Clear stack registers : when stack size is 8, clears XYZT ABCD ; when stack size is 4, clears XYZT ; if setting iLI is ON, the stack is filled with 0 (Long integers) ; when used while plotting, CLSTK returns to the normal screen as the stack is expected to show, implying an exit from graph and other modes (Shortcut : longpress [+]) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_VECTOR_page_1.pdf	SSIZE8	SET	8 ; 4
				Menu [VECTOR.2]F6	Clear stack	Clear stack registers : when stack size is 8, clears XYZT ABCD ; when stack size is 4, clears XYZT ; if setting iLI is ON, the stack is filled with 0 (Long integers) ; when used while plotting, CLSTK returns to the normal screen as the stack is expected to show, implying an exit from graph and other modes (Shortcut : longpress [+]) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_VECTOR_page_2.pdf	SSIZE8	SET	8 ; 4
				Menu [ELEC.1]F6	Clear stack	Clear stack registers : when stack size is 8, clears XYZT ABCD ; when stack size is 4, clears XYZT ; if setting iLI is ON, the stack is filled with 0 (Long integers) ; when used while plotting, CLSTK returns to the normal screen as the stack is expected to show, implying an exit from graph and other modes (Shortcut : longpress [+]) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_ELEC_page_1.pdf	SSIZE8	SET	8 ; 4
	CLSTK	Command		Keyboard longpress [+]	Clear stack	Clear stack registers : when stack size is 8, clears XYZT ABCD ; when stack size is 4, clears XYZT ; if setting iLI is ON, the stack is filled with 0 (Long integers) ; when used while plotting, CLSTK returns to the normal screen as the stack is expected to show, implying an exit from graph and other modes (Shortcut : longpress [+]) Ref : https://r7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_4.pdf	SSIZE8	SET	8 ; 4
	CLTVM	Command		Menu [CLR.1]gF3	Clear TVM variables	Clear TVM variables Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_CLR_page_1.pdf			
				Menu [TVM.1]fF1	Clear TVM variables	Clear TVM variables Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_TVM_page_1.pdf			
	CLVall	Command		Menu [CLR.1]fF3	Clear all variables	Clear all user variables ; clear matrices HIST0, STATS, Mat A, Mat B, Mat X (YESNO : Clear all user variables? ; TI : All user variables cleared) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_CLR_page_1.pdf			
	CLX	Command		Menu [CLR.1]F5	Clear X	Clear X-register and disable automatic stack lift for next entry Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_CLR_page_1.pdf			
	CLα	Command		Menu [CLR.1]F4	Clear alpha	Clear any register or variable and initialize it with an empty text string (TAM : CLα __ Tam menu) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_CLR_page_1.pdf			
	CLΣ	Command		Menu [CLR.1]F1	Clear statistics	Clear all statistics data ; delete matrices HIST0 and STATS Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_CLR_page_1.pdf			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
				Menu [FIN.1]gF1	Clear statistics	Clear all statistics data ; delete matrices HISTO and STATS Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_FIN_page_1.pdf			
				Menu [STAT.2]gF6	Clear statistics	Clear all statistics data ; delete matrices HISTO and STATS Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_STAT_page_2.pdf			
				Menu [PLOT.2]gF6	Clear statistics	Clear all statistics data ; delete matrices HISTO and STATS Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_PLOT_page_2.pdf			
				Menu [STOPW.1]fF6	Clear statistics	Clear all statistics data ; delete matrices HISTO and STATS Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_STOPW_page_1.pdf			
	DELall	Command		Menu [DELETE.1]F1	Delete all	Delete all user created programs, user menus, user variables and their assignments ; clear all keyboard user assignments ; reset user configurable menus to defaults (YESNO : Delete all? ; TI : All user menus deleted ; All data, programs and definitions cleared) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_DELETE_page_1.pdf			
	DELBkup	Command		Menu [DELETE.1]F6	Delete Backup	Delete configuration backup file (LOAD, SAVE) (YESNO : Delete both backup files?) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_DELETE_page_1.pdf			
	DELETE (EQ.DEL)	Command		Menu [EQN.1]fF1	Delete	Delete equation Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_EQN_page_1.pdf			
	DELMall	Command		Menu [DELETE.1]F2	Delete all menus	Delete all user defined menus and their assignments (YESNO : Delete all user menus? ; TI : All user menus deleted) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_DELETE_page_1.pdf			
	DELP	Command		Menu [DELETE.1]F5	Delete (current) program	Delete current program and remove all assignments of the global labels in the program (careful!) (TAM : DELP _ TamLbOnly menu) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_DELETE_page_1.pdf			
	DELPall	Command		Menu [DELETE.1]F4	Delete all programs	Delete all user created programs and remove all assignments of all global labels used in the programs (YESNO : Delete all programs? ; TI : All user programs deleted) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_DELETE_page_1.pdf			
	DELvall	Command		Menu [DELETE.1]F3	Delete all variables	Delete all user variables and their assignments ; clear matrices HISTO, STATS, Mat A, Mat B, Mat X (YESNO : Delete all user variables? ; TI : All user variables deleted) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_DELETE_page_1.pdf			
	HOME.R	Command		Menu [RESETS.1]F3	HOME menu reset	Reset all HOME menu user assignments (and open menu) (TI : HOME menu reset to default) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_RESETS_page_1.pdf			
	KEYS.R	Command		Menu [RESETS.1]F6	Keyboard reset	Clean (delete) all key assignments (TI : Key assignments cleaned ; Info : the Normal Mode key assignment can be set in menu 0 KEY if the calculator layout allows it) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_RESETS_page_1.pdf			
	MyM.R	Command		Menu [RESETS.1]F2	MyMenu reset	Clean (delete) all MyMenu user assignments (TI : MyMenu menu cleaned) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_RESETS_page_1.pdf			
	Mya.R	Command		Menu [RESETS.1]F1	Mya menu reset	Clean (delete) all Mya menu user assignments (TI : Mya menu cleaned) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_RESETS_page_1.pdf			
	PFN.R	Command		Menu [RESETS.1]F4	P.FN menu reset	Reset all P.FN user assignments (and open menu) (TI : P.FN menu reset to default) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_RESETS_page_1.pdf			
				Menu [P.FN3.1]gF6	P.FN menu reset	Reset all P.FN user assignments (and open menu) (TI : P.FN menu reset to default) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_P-FN3_page_1.pdf			
Compatibility	42i-	Command (42, PEM)		Menu [42.1]F2	Append string to Alpha register	Append text string to Alpha register (default K) ; this is a HP-42S/DM42(n) calculator compatible command (TAM : 42i- _ TamAlpha menu (maximum 14 characters) ; Info : for the 42-compatible alpha functions and commands, the Alpha register (default K) is limited to 44 characters ; Error 64 -- No string in alpha register -- may be raised) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_42_page_1.pdf			
	42AIP	Command (42)		Menu [42.1]fF6	Alpha register Integer Part	Append integer part of X to text string in Alpha register (default K) ; this is a HP-42S/DM42(n) calculator compatible command (Info : If the register or variable does not contain a text string, 42AIP will first convert it to text string ; for the 42-compatible alpha functions and commands, the Alpha register (default K) is limited to 44 characters) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_42_page_1.pdf			
	42ALENG	Command (42)		Menu [42.1]fF1	Alpha register length	Get length of text string in Alpha register (default K) ; this is a HP-42S/DM42(n) calculator compatible command Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_42_page_1.pdf			
	42ARCL	Command (42)		Menu [42.1]F3	Recall to Alpha register	Append contents of register or variable (formatted according to the display settings) to Alpha register (default K) ; this is a HP-42S/DM42(n) calculator compatible command (TAM : 42ARCL _ Tam menu ; for the 42-compatible alpha functions and commands, the Alpha register (default K) is limited to 44 characters ; Error 64 -- No string in alpha register -- may be raised) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_42_page_1.pdf			
	42AROT	Command (42)		Menu [42.1]fF3	Rotate Alpha register	Rotate Alpha register by the number of characters specified in X (positive : shift left, negative : shift right) ; this is a HP-42S/DM42(n) calculator compatible command (Info : For empty text string, 42AROT acts as NOP ; Error 64 -- No string in alpha register -- may be raised) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_42_page_1.pdf			
	42ASHF	Command (42)		Menu [42.1]fF4	Shift Alpha register	Shift the six leftmost characters out of the Alpha register (default K) ; this is a HP-42S/DM42(n) calculator compatible command (Info : For empty text string, 42ASHF acts as NOP ; Error 64 -- No string in alpha register -- may be raised) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_42_page_1.pdf			
	42ASTO	Command (42)		Menu [42.1]F4	Store from Alpha register	Store first six characters of text string in Alpha register (default K) in register or variable ; this is a HP-42S/DM42(n) calculator compatible command (TAM : 42ASTO _ Tam menu ; Error 64 -- No string in alpha register -- may be raised) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_42_page_1.pdf			
	42ATDX	Function (42, monadic)		Menu [42.1]gF5	Alpha register to X	Convert first alpha character of text string in Alpha register (default K) to character code (hexadecimal) and remove this character ; this is a HP-42S/DM42(n) calculator compatible function (Info : For empty text string, 42ATDX returns 0 only) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_42_page_1.pdf			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	42AVIEW	Command (42, PEM)		Menu [42.1] F5	View Alpha register	View the Alpha register (default K) contents (text string) in the top left part of the screen, without TI (for use in Program Entry Mode) ; if the contents include the ϵ symbol, optionally display one or more TI's at the top, X, Y, Z line ; example: "top line = ϵ X = ϵ Y = ϵ Z = " ; this is a HP-42S/DM42(n) calculator compatible command (Info : If $\mathbb{A}$ CT is SET, 42AVIEW will print when executed from the keyboard in MAN, NORM or TRACE ; in Program Entry Mode, $\mathbb{A}$ EN must be SET as well ; If $\mathbb{A}$ CT is CLEAR and $\mathbb{A}$ EN is SET, 42AVIEW halts execution (R/S)) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_42_page_1.pdf			
	42BIT?	Command (42, strike)		Menu [42.2] F2	42BIT?	42BIT? Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_42_page_2.pdf			
	42CLA	Command (42)		Menu [42.1] F6	Clear Alpha register	Clear Alpha register (default K) ; this is a HP-42S/DM42(n) calculator compatible command Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_42_page_1.pdf			
	42KEY	Command (42, PEM)			Key (42)	Used in Program Entry Mode to specify soft button (1-18) of the Programmable MENU, forming program step for 42KEYG $\rightarrow$ 42KEY nn GT0 ; 42KEYX $\rightarrow$ 42KEY nn XEQ (TAM : 42KEY __ TamKey menu)			
	42KEYG	Command (42, PEM)		Menu [42.1] gF1	Key Go to (42)	Used in Program Entry Mode to specify the label to go to when soft button (1-18) of the Programmable MENU, [4] (19), [4] (20) or [EXIT] (21) is pressed ; if button 1-18 is specified, 42KEYG also creates a soft button in the Programmable MENU with the string in the Alpha register (default K) as a label (TAM : 42KEYG $\rightarrow$ 42KEY __ TamKey menu ; 42KEY nn GT0 __ TamLabel menu) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_42_page_1.pdf			
	42KEYX	Command (42, PEM)		Menu [42.1] gF2	Key Execute (42)	Used in Program Entry Mode to specify the program to execute when soft button (1-18) of the Programmable MENU, [4] (19), [4] (20) or [EXIT] (21) is pressed ; if button 1-18 is specified, 42KEYX also creates a soft button in the Programmable MENU with the string in the Alpha register (default K) as a label (TAM : 42KEYX $\rightarrow$ 42KEY __ TamKey menu ; 42KEY nn XEQ __ TamLabel menu) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_42_page_1.pdf			
	42POSA	Command (42)		Menu [42.1] ffF2	Alpha register position	Get position (starting from 0) of substring, character or character code in X within text string in Alpha register (default K) ; this is a HP-42S/DM42(n) calculator compatible command (Info : For substring not found or empty text string, 42POSA returns -1) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_42_page_1.pdf			
	42PRA	Command (42)		Menu [42.1] gF4	Print Alpha register	Print contents of Alpha register (default K) as text ; this is a HP-42S/DM42(n) calculator compatible command (Info : If $\mathbb{A}$ OFF, 42PRA writes alpha to file in DATA/<YYYYMMDD-HHMMSS00>.REGS.TSV ; SBI $\mathbb{A}$ is shown if flag 5Bprn is SET) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_42_page_1.pdf			
	42PRMPT	Command (42, PEM)		Menu [42.1] ffF5	Prompt (42)	Halt program execution and view the register or variable contents (text string) in the top left part of the screen, without TI (for use in Program Entry Mode) ; if the contents include the ϵ symbol, optionally display one or more TI's at the top, X, Y, Z line ; example: "top line = ϵ X = ϵ Y = ϵ Z = " (uses Alpha register (default K)) (Info : if $\mathbb{A}$ EN is SET, 42PRMPT will print when executed from the keyboard in NORM or TRACE ; in Program Entry Mode, $\mathbb{A}$ EN must be SET as well) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_42_page_1.pdf			
	42ROTXY	Command (42, strike)		Menu [42.2] F3	42ROTXY	42ROTXY Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_42_page_2.pdf			
	42VRMNU	Command (42, PEM)		Menu [42.1] gF3	Variable menu (42)	Create variable menu ; uses Alpha register (default K) to store variable name when MVAR-defined button (<var...>) is pressed without NIM input (TAM : 42VRMNU __ TamLbOnly menu ; Error 25 -- No MVAR found in selected program -- may be raised) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_42_page_1.pdf			
	42XTOA	Function (42, monadic)		Menu [42.1] gF6	X to Alpha register	Append character, character code (converted to character), text string or real matrix (converted to text string) to Alpha register (default K) ; this is a HP-42S/DM42(n) calculator compatible function (Info : For the 42-compatible alpha functions and commands, the Alpha register (default K) is limited to 44 characters) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_42_page_1.pdf			
	42 α	Command (42, PEM)		Menu [42.1] F1	Enter string into Alpha register	Enter text string into Alpha register (default K) ; this is a HP-42S/DM42(n) calculator compatible command (TAM : 42 α __ TamAlpha menu (maximum 15 characters)) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_42_page_1.pdf			
Complex and coordinates	$\rightarrow P$ ($\rightarrow$ POLAR)	Function (monadic, dyadic)		Menu [CPX.1] gF2	To polar	Transform rectangular to polar coordinates (dyadic, stack conventions according to flag RP $\mathbb{P}$ SET or CLEAR) ; transform Complex number or 2D/3D vector to polar notation (monadic) and set POLAR tag (TI : r = ; θ = (POLAR) ; Info : in Program Entry Mode, flag RP $\mathbb{P}$ determines whether $\rightarrow$ POL $\mathbb{P}$ or $\rightarrow$ POL $\mathbb{C}$ is stored ; for a 3D vector in X, function $\rightarrow$ POLAR ($\rightarrow P$) cycles through $\rightarrow$ SPH, then $\rightarrow$ CYL ; vector display depends on flag 3Dxyz, for 2D polar vector : [r θ ; i] [v ₁ v ₂] ^p ; 3D spherical vector : [p θ ; i ; ϕ] _h [v ₁ v ₂ v ₃] ^s ; 3D cylindrical vector : [r θ ; k] [v ₁ v ₂ v ₃] ^c Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_CPX_page_1.pdf	RP $\mathbb{P}$	SET	<no annunciator>
				Menu [TRG.1] ffF6	To polar	Transform rectangular to polar coordinates (dyadic, stack conventions according to flag RP $\mathbb{P}$ SET or CLEAR) ; transform Complex number or 2D/3D vector to polar notation (monadic) and set POLAR tag (TI : r = ; θ = (POLAR) ; Info : in Program Entry Mode, flag RP $\mathbb{P}$ determines whether $\rightarrow$ POL $\mathbb{P}$ or $\rightarrow$ POL $\mathbb{C}$ is stored ; for a 3D vector in X, function $\rightarrow$ POLAR ($\rightarrow P$) cycles through $\rightarrow$ SPH, then $\rightarrow$ CYL ; vector display depends on flag 3Dxyz, for 2D polar vector : [r θ ; i] [v ₁ v ₂] ^p ; 3D spherical vector : [p θ ; i ; ϕ] _h [v ₁ v ₂ v ₃] ^s ; 3D cylindrical vector : [r θ ; k] [v ₁ v ₂ v ₃] ^c Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_TRG_page_1.pdf	RP $\mathbb{P}$	SET	<no annunciator>

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
				Menu [BLUE7.1] fF6	To polar	Transform rectangular to polar coordinates (dyadic, stack conventions according to flag RPH SET or CLEAR) ; transform Complex number or 2D/3D vector to polar notation (monadic) and set POLAR tag (TI : r = ; θ = (POLAR) ; Info : in Program Entry Mode, flag RPH determines whether $\rightarrow$ POLHP or $\rightarrow$ POLCX is stored ; for a 3D vector in X, function $\rightarrow$ POLAR ($\rightarrow$ P) cycles through $\rightarrow$ SPH, then $\rightarrow$ CYL ; vector display depends on flag 3Dxyz, for 2D polar vector : $[r\theta]_j$ [$v_1 v_2$] ^P ; 3D spherical vector : $[p\theta; \phi]_M$ [$v_1 v_2 v_3$] ^S ; 3D cylindrical vector : $[r\theta; k]_j$ [$v_1 v_2 v_3$] ^C Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_BLUE7_page_1.pdf	RPH	SET	<no annunciator>
				Menu [TRG_R47.1] gF2	To polar	Transform rectangular to polar coordinates (dyadic, stack conventions according to flag RPH SET or CLEAR) ; transform Complex number or 2D/3D vector to polar notation (monadic) and set POLAR tag (TI : r = ; θ = (POLAR) ; Info : in Program Entry Mode, flag RPH determines whether $\rightarrow$ POLHP or $\rightarrow$ POLCX is stored ; for a 3D vector in X, function $\rightarrow$ POLAR ($\rightarrow$ P) cycles through $\rightarrow$ SPH, then $\rightarrow$ CYL ; vector display depends on flag 3Dxyz, for 2D polar vector : $[r\theta]_j$ [$v_1 v_2$] ^P ; 3D spherical vector : $[p\theta; \phi]_M$ [$v_1 v_2 v_3$] ^S ; 3D cylindrical vector : $[r\theta; k]_j$ [$v_1 v_2 v_3$] ^C Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_TRG_R47_page_1.pdf	RPH	SET	<no annunciator>
				Menu [VECTOR.2] F2	To polar	Transform rectangular to polar coordinates (dyadic, stack conventions according to flag RPH SET or CLEAR) ; transform Complex number or 2D/3D vector to polar notation (monadic) and set POLAR tag (TI : r = ; θ = (POLAR) ; Info : in Program Entry Mode, flag RPH determines whether $\rightarrow$ POLHP or $\rightarrow$ POLCX is stored ; for a 3D vector in X, function $\rightarrow$ POLAR ($\rightarrow$ P) cycles through $\rightarrow$ SPH, then $\rightarrow$ CYL ; vector display depends on flag 3Dxyz, for 2D polar vector : $[r\theta]_j$ [$v_1 v_2$] ^P ; 3D spherical vector : $[p\theta; \phi]_M$ [$v_1 v_2 v_3$] ^S ; 3D cylindrical vector : $[r\theta; k]_j$ [$v_1 v_2 v_3$] ^C Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_VECTOR_page_2.pdf	RPH	SET	<no annunciator>
	$\rightarrow$ P ($\rightarrow$ POLAR)	Function (monadic, dyadic)		Keyboard g[$\sqrt{x}$]	To polar	Transform rectangular to polar coordinates (dyadic, stack conventions according to flag RPH SET or CLEAR) ; transform Complex number or 2D/3D vector to polar notation (monadic) and set POLAR tag (TI : r = ; θ = (POLAR) ; Info : in Program Entry Mode, flag RPH determines whether $\rightarrow$ POLHP or $\rightarrow$ POLCX is stored ; for a 3D vector in X, function $\rightarrow$ POLAR ($\rightarrow$ P) cycles through $\rightarrow$ SPH, then $\rightarrow$ CYL ; vector display depends on flag 3Dxyz, for 2D polar vector : $[r\theta]_j$ [$v_1 v_2$] ^P ; 3D spherical vector : $[p\theta; \phi]_M$ [$v_1 v_2 v_3$] ^S ; 3D cylindrical vector : $[r\theta; k]_j$ [$v_1 v_2 v_3$] ^C Ref : https://r7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_2.pdf	RPH	SET	<no annunciator>
	$\rightarrow$ P ($\rightarrow$ POLAR)	Function (monadic, dyadic)		Keyboard longerpress [$\sqrt{x}$]	To polar	Transform rectangular to polar coordinates (dyadic, stack conventions according to flag RPH SET or CLEAR) ; transform Complex number or 2D/3D vector to polar notation (monadic) and set POLAR tag (TI : r = ; θ = (POLAR) ; Info : in Program Entry Mode, flag RPH determines whether $\rightarrow$ POLHP or $\rightarrow$ POLCX is stored ; for a 3D vector in X, function $\rightarrow$ POLAR ($\rightarrow$ P) cycles through $\rightarrow$ SPH, then $\rightarrow$ CYL ; vector display depends on flag 3Dxyz, for 2D polar vector : $[r\theta]_j$ [$v_1 v_2$] ^P ; 3D spherical vector : $[p\theta; \phi]_M$ [$v_1 v_2 v_3$] ^S ; 3D cylindrical vector : $[r\theta; k]_j$ [$v_1 v_2 v_3$] ^C Ref : https://r7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_2.pdf	RPH	SET	<no annunciator>
	$\rightarrow$ POLCX	Function (monadic, dyadic)		Catalog CAT.FCNS $\rightarrow$ POLCX	To polar (CX)	Transform rectangular to polar coordinates (dyadic, stack conventions according to flag RPH SET or CLEAR) ; transform Complex number or 2D/3D vector to polar notation (monadic) and set POLAR tag (TI : r = ; θ = (POLAR) ; Info : in Program Entry Mode, $\rightarrow$ POLCX is stored when $\rightarrow$ POLAR is entered and flag RPH is CLEAR ; for a 3D vector in X, function $\rightarrow$ POLCX cycles through $\rightarrow$ SPH, then $\rightarrow$ CYL ; vector display depends on flag 3Dxyz, for 2D polar vector : $[r\theta]_j$ [$v_1 v_2$] ^P ; 3D spherical vector : $[p\theta; \phi]_M$ [$v_1 v_2 v_3$] ^S ; 3D cylindrical vector : $[r\theta; k]_j$ [$v_1 v_2 v_3$] ^C	RPH	SET	<no annunciator>
	$\rightarrow$ POLHP	Function (monadic, dyadic)		Catalog CAT.FCNS $\rightarrow$ POLHP	To polar (HP)	Transform rectangular to polar coordinates (dyadic, stack conventions according to flag RPH SET) ; transform Complex number or 2D/3D vector to polar notation (monadic) and set POLAR tag (TI : r = ; θ = (POLAR) ; Info : in Program Entry Mode, $\rightarrow$ POLHP is stored when $\rightarrow$ POLAR is entered and flag RPH is SET ; for a 3D vector in X, function $\rightarrow$ POLHP cycles through $\rightarrow$ SPH, then $\rightarrow$ CYL ; vector display depends on flag 3Dxyz, for 2D polar vector : $[r\theta]_j$ [$v_1 v_2$] ^P ; 3D spherical vector : $[p\theta; \phi]_M$ [$v_1 v_2 v_3$] ^S ; 3D cylindrical vector : $[r\theta; k]_j$ [$v_1 v_2 v_3$] ^C	RPH	SET	<no annunciator>
	$\rightarrow$ R ($\rightarrow$ RECT)	Function (monadic, dyadic)		Menu [CPX.1] gF1	To rectangular	Transform polar to rectangular coordinates (dyadic, stack conventions according to flag RPH SET or CLEAR) ; transform Complex number or 2D/3D vector to rectangular notation (monadic) and set RECT tag (TI : x : Re = ; y : Im = (RECT) ; Info : in Program Entry Mode, flag RPH determines whether $\rightarrow$ RECTHP or $\rightarrow$ RECTCX is stored ; vector display depends on flag 3Dxyz, for 2D rectangular vector : $[i]_j$ [$v_1 v_2$] ; 3D rectangular vector : $[ijk]_j$ [$v_1 v_2 v_3$] Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_CPX_page_1.pdf	RPH	SET	<no annunciator>
				Menu [TRG.1] fF5	To rectangular	Transform polar to rectangular coordinates (dyadic, stack conventions according to flag RPH SET or CLEAR) ; transform Complex number or 2D/3D vector to rectangular notation (monadic) and set RECT tag (TI : x : Re = ; y : Im = (RECT) ; Info : in Program Entry Mode, flag RPH determines whether $\rightarrow$ RECTHP or $\rightarrow$ RECTCX is stored ; vector display depends on flag 3Dxyz, for 2D rectangular vector : $[i]_j$ [$v_1 v_2$] ; 3D rectangular vector : $[ijk]_j$ [$v_1 v_2 v_3$] Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_TRG_page_1.pdf	RPH	SET	<no annunciator>
				Menu [BLUE7.1] fF5	To rectangular	Transform polar to rectangular coordinates (dyadic, stack conventions according to flag RPH SET or CLEAR) ; transform Complex number or 2D/3D vector to rectangular notation (monadic) and set RECT tag (TI : x : Re = ; y : Im = (RECT) ; Info : in Program Entry Mode, flag RPH determines whether $\rightarrow$ RECTHP or $\rightarrow$ RECTCX is stored ; vector display depends on flag 3Dxyz, for 2D rectangular vector : $[i]_j$ [$v_1 v_2$] ; 3D rectangular vector : $[ijk]_j$ [$v_1 v_2 v_3$] Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_BLUE7_page_1.pdf	RPH	SET	<no annunciator>

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
				Menu [TRG_R47.1] gF1	To rectangular	Transform polar to rectangular coordinates (dyadic, stack conventions according to flag RPH SET or CLEAR) ; transform Complex number or 2D/3D vector to rectangular notation (monadic) and set RECT tag (TI : x : Re = ; y : Im = (RECT) ; Info : in Program Entry Mode, flag RPH determines whether →RECTHP or →RECTCX is stored ; vector display depends on flag 3Dxyz, for 2D rectangular vector : [i] [v1 v2] ; 3D rectangular vector : [ijk] [v1 v2 v3]) Ref : https://7calc.com/doc/R47/Menus/R47v0_Menu_TRG_R47_page_1.pdf	RPH	SET	<no annunciator>
				Menu [VECTOR.1] F1	To rectangular	Transform polar to rectangular coordinates (dyadic, stack conventions according to flag RPH SET or CLEAR) ; transform Complex number or 2D/3D vector to rectangular notation (monadic) and set RECT tag (TI : x : Re = ; y : Im = (RECT) ; Info : in Program Entry Mode, flag RPH determines whether →RECTHP or →RECTCX is stored ; vector display depends on flag 3Dxyz, for 2D rectangular vector : [i] [v1 v2] ; 3D rectangular vector : [ijk] [v1 v2 v3]) Ref : https://7calc.com/doc/R47/Menus/R47v0_Menu_VECTOR_page_1.pdf	RPH	SET	<no annunciator>
				Menu [VECTOR.2] F1	To rectangular	Transform polar to rectangular coordinates (dyadic, stack conventions according to flag RPH SET or CLEAR) ; transform Complex number or 2D/3D vector to rectangular notation (monadic) and set RECT tag (TI : x : Re = ; y : Im = (RECT) ; Info : in Program Entry Mode, flag RPH determines whether →RECTHP or →RECTCX is stored ; vector display depends on flag 3Dxyz, for 2D rectangular vector : [i] [v1 v2] ; 3D rectangular vector : [ijk] [v1 v2 v3]) Ref : https://7calc.com/doc/R47/Menus/R47v0_Menu_VECTOR_page_2.pdf	RPH	SET	<no annunciator>
	→R (→RECT)	Function (monadic, dyadic)		Keyboard g [x²]	To rectangular	Transform polar to rectangular coordinates (dyadic, stack conventions according to flag RPH SET or CLEAR) ; transform Complex number or 2D/3D vector to rectangular notation (monadic) and set RECT tag (TI : x : Re = ; y : Im = (RECT) ; Info : in Program Entry Mode, flag RPH determines whether →RECTHP or →RECTCX is stored ; vector display depends on flag 3Dxyz, for 2D rectangular vector : [i] [v1 v2] ; 3D rectangular vector : [ijk] [v1 v2 v3]) Ref : https://7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_2.pdf	RPH	SET	<no annunciator>
	→R (→RECT)	Function (monadic, dyadic)		Keyboard longerpress [x²]	To rectangular	Transform polar to rectangular coordinates (dyadic, stack conventions according to flag RPH SET or CLEAR) ; transform Complex number or 2D/3D vector to rectangular notation (monadic) and set RECT tag (TI : x : Re = ; y : Im = (RECT) ; Info : in Program Entry Mode, flag RPH determines whether →RECTHP or →RECTCX is stored ; vector display depends on flag 3Dxyz, for 2D rectangular vector : [i] [v1 v2] ; 3D rectangular vector : [ijk] [v1 v2 v3]) Ref : https://7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_2.pdf	RPH	SET	<no annunciator>
	→RECTCX	Function (monadic, dyadic)		Catalog CAT.FCNS →RECTCX	To rectangular (CX)	Transform polar to rectangular coordinates (dyadic, stack conventions according to flag RPH CLEAR) ; transform Complex number or 2D/3D vector to rectangular notation (monadic) and set RECT tag (TI : x : Re = ; y : Im = (RECT) ; Info : in Program Entry Mode, →RECTCX is stored when →RECT is entered and flag RPH is CLEAR ; vector display depends on flag 3Dxyz, for 2D rectangular vector : [i] [v1 v2] ; 3D rectangular vector : [ijk] [v1 v2 v3])	RPH	SET	<no annunciator>
	→RECTHP	Function (monadic, dyadic)		Catalog CAT.FCNS →RECTHP	To rectangular (HP)	Transform polar to rectangular coordinates (dyadic, stack conventions according to flag RPH SET) ; transform Complex number or 2D/3D vector to rectangular notation (monadic) and set RECT tag (TI : x : Re = ; y : Im = (RECT) ; Info : in Program Entry Mode, →RECTHP is stored when →RECT is entered and flag RPH is SET ; vector display depends on flag 3Dxyz, for 2D rectangular vector : [i] [v1 v2] ; 3D rectangular vector : [ijk] [v1 v2 v3])	RPH	SET	<no annunciator>
Complex numbers	>ABS<	Function (monadic, legacy)			Absolute	Legacy version of function x : Magnitude (absolute value) of Complex number (Info : Function >ABS< is superceded by x on f[ST0])			
	x	Function (monadic)		Menu [CPX.1] fF3	Magnitude	Magnitude (absolute value) of Complex number Ref : https://7calc.com/doc/R47/Menus/R47v0_Menu_CPX_page_1.pdf			
				Menu [REAL.1] gF3	Magnitude	Magnitude (absolute value) of Complex number Ref : https://7calc.com/doc/R47/Menus/R47v0_Menu_REAL_page_1.pdf			
				Menu [BLUE7.1] F1	Magnitude	Magnitude (absolute value) of Complex number Ref : https://7calc.com/doc/R47/Menus/R47v0_Menu_BLUE7_page_1.pdf			
				Menu [FCNS.4] F2	Magnitude	Magnitude (absolute value) of Complex number Ref : https://7calc.com/doc/R47/Menus/R47v0_Menu_FCNS_EQN_page_4.pdf			
	x	Function (monadic)		Keyboard f[ST0]	Magnitude	Magnitude (absolute value) of Complex number Ref : https://7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_3.pdf			
	x	Function (monadic)		Keyboard longerpress [ST0]	Magnitude	Magnitude (absolute value) of Complex number Ref : https://7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_3.pdf			
	∠	Function (monadic)		Menu [CPX.1] fF4	Argument (angle)	Argument (angle) of Complex number Ref : https://7calc.com/doc/R47/Menus/R47v0_Menu_CPX_page_1.pdf			
				Menu [REAL.1] gF4	Argument (angle)	Argument (angle) of Complex number Ref : https://7calc.com/doc/R47/Menus/R47v0_Menu_REAL_page_1.pdf			
				Menu [BLUE7.1] fF1	Argument (angle)	Argument (angle) of Complex number Ref : https://7calc.com/doc/R47/Menus/R47v0_Menu_BLUE7_page_1.pdf			
				Menu [NEW (EQ_EDIT).2] fF6	Argument (angle)	Argument (angle) of Complex number Ref : https://7calc.com/doc/R47/Menus/R47v0_Menu_NEW_page_2.pdf			
				Menu [FCNS.4] F4	Argument (angle)	Argument (angle) of Complex number Ref : https://7calc.com/doc/R47/Menus/R47v0_Menu_FCNS_EQN_page_4.pdf			
				Menu [EDIT (EQ_EDIT).2] fF6	Argument (angle)	Argument (angle) of Complex number Ref : https://7calc.com/doc/R47/Menus/R47v0_Menu_EDIT_EQN_page_2.pdf			
	∠	Function (monadic)		Keyboard g[ST0]	Argument (angle)	Argument (angle) of Complex number Ref : https://7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_3.pdf			
	∠	Function (monadic)		Keyboard longerpress [ST0]	Argument (angle)	Argument (angle) of Complex number Ref : https://7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_3.pdf			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	$C \rightarrow R$	Function (monadic)		Menu [CPX.1]gF3	Complex to Real	Convert Complex to Real (in POLAR, using angle tag or ADM) (TI : Im = ; Re = (RECT) ; θ = ; r = (POLAR) in X, Y) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_CPX_page_1.pdf			
	CC	Command		Menu [MyM.1]F2	Compose-cut	Convert to or from Complex number (2.8-2.5) (Info : a CC b ENTER returns $a+bi$ or $a4b$ (using angle tag, regardless of POLAR, or ADM) ; CC returns Y : a, X : b ; also accepts 1x2 vectors as input) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_MyMenu_page_1.pdf			
	COMPLEX	Function (dyadic)		Menu [CPX.1]fF1	Complex number	Convert to or from Complex number (2.8-2.5) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_CPX_page_1.pdf			
				Menu [ELEC.1]F3	Complex number	Convert to or from Complex number (2.8-2.5) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_ELEC_page_1.pdf			
	COMPLEX	Function (dyadic)		Keyboard f[ENTER]	Complex number	Convert to or from Complex number (2.8-2.5) Ref : https://n7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_4.pdf			
	COMPLEX	Function (dyadic)		Keyboard longpress [ENTER]	Complex number	Convert to or from Complex number (2.8-2.5) Ref : https://n7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_4.pdf			
	conj	Function (monadic)		Menu [CPX.1]F3	Complex conjugate	Complex conjugate Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_CPX_page_1.pdf			
				Menu [FCNS.1]gF1	Complex conjugate	Complex conjugate Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_FCNS_EQN_page_1.pdf			
	cross	Function (dyadic)		Menu [CPX.1]fF6	Cross product ($\times$)	Cross product of vectors in X and Y Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_CPX_page_1.pdf			
				Menu [VECTOR.1]fF6	Cross product ($\times$)	Cross product of vectors in X and Y Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_VECTOR_page_1.pdf			
				Menu [VECTOR.2]fF6	Cross product ($\times$)	Cross product of vectors in X and Y Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_VECTOR_page_2.pdf			
				Menu [MATX.2]fF6	Cross product ($\times$)	Cross product of vectors in X and Y Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_MATX_page_2.pdf			
	dot	Function (dyadic)		Menu [CPX.1]fF5	Dot product ($\cdot$)	Dot product of vectors in X and Y Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_CPX_page_1.pdf			
				Menu [VECTOR.1]fF5	Dot product ($\cdot$)	Dot product of vectors in X and Y Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_VECTOR_page_1.pdf			
				Menu [VECTOR.2]fF5	Dot product ($\cdot$)	Dot product of vectors in X and Y Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_VECTOR_page_2.pdf			
				Menu [MATX.2]fF5	Dot product ($\cdot$)	Dot product of vectors in X and Y Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_MATX_page_2.pdf			
	i (op_ i)	Command		Menu [CPX.1]F5	Complex number (rectangular notation)	Enter complex number (rectangular notation) whether RECT is set or not ; e.g. a i b ENTER results in $a + bi$ (Info : In NIM, works like CC with RECT set ; displayed according to flag CPXj when in RECT mode) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_CPX_page_1.pdf	CPXj	CLEAR	<no annunciator>
				Menu [M_EDIT.1]F3	Complex number (rectangular notation)	Enter complex number (rectangular notation) whether RECT is set or not ; e.g. a i b ENTER results in $a + bi$ (Info : In NIM, works like CC with RECT set ; displayed according to flag CPXj when in RECT mode) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_M_EDIT_page_1.pdf	CPXj	CLEAR	<no annunciator>
				Menu [MyM.1]F6	Complex number (rectangular notation)	Enter complex number (rectangular notation) whether RECT is set or not ; e.g. a i b ENTER results in $a + bi$ (Info : In NIM, works like CC with RECT set ; displayed according to flag CPXj when in RECT mode) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_MyMenu_page_1.pdf	CPXj	CLEAR	<no annunciator>
				Menu [MyM.6]F1	Complex number (rectangular notation)	Enter complex number (rectangular notation) whether RECT is set or not ; e.g. a i b ENTER results in $a + bi$ (Info : In NIM, works like CC with RECT set ; displayed according to flag CPXj when in RECT mode) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_MyMenu_page_5.pdf	CPXj	CLEAR	<no annunciator>
				Menu [BLUE7.1]fF4	Complex number (rectangular notation)	Enter complex number (rectangular notation) whether RECT is set or not ; e.g. a i b ENTER results in $a + bi$ (Info : In NIM, works like CC with RECT set ; displayed according to flag CPXj when in RECT mode) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_BLUE7_page_1.pdf	CPXj	CLEAR	<no annunciator>
				Menu [EDITN (M_EDIT).1]F3	Complex number (rectangular notation)	Enter complex number (rectangular notation) whether RECT is set or not ; e.g. a i b ENTER results in $a + bi$ (Info : In NIM, works like CC with RECT set ; displayed according to flag CPXj when in RECT mode) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_EDITN_page_1.pdf	CPXj	CLEAR	<no annunciator>
				Menu [EDIT (M_EDIT).1]F3	Complex number (rectangular notation)	Enter complex number (rectangular notation) whether RECT is set or not ; e.g. a i b ENTER results in $a + bi$ (Info : In NIM, works like CC with RECT set ; displayed according to flag CPXj when in RECT mode) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_EDIT_MATX_page_1.pdf	CPXj	CLEAR	<no annunciator>
				Menu [HOME.1]F1	Complex number (rectangular notation)	Enter complex number (rectangular notation) whether RECT is set or not ; e.g. a i b ENTER results in $a + bi$ (Info : In NIM, works like CC with RECT set ; displayed according to flag CPXj when in RECT mode) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_HOME_page_1.pdf	CPXj	CLEAR	<no annunciator>
				Menu [ELEC.1]F1	Complex number (rectangular notation)	Enter complex number (rectangular notation) whether RECT is set or not ; e.g. a i b ENTER results in $a + bi$ (Info : In NIM, works like CC with RECT set ; displayed according to flag CPXj when in RECT mode) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_ELEC_page_1.pdf	CPXj	CLEAR	<no annunciator>
				Menu [MyM.2]F1	Complex number (rectangular notation)	Enter complex number (rectangular notation) whether RECT is set or not ; e.g. a i b ENTER results in $a + bi$ (Info : In NIM, works like CC with RECT set ; displayed according to flag CPXj when in RECT mode) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_MyMenu_page_2.pdf	CPXj	CLEAR	<no annunciator>

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	i (op_ i)	Command		Keyboard f[x ²]	Complex number (rectangular notation)	Enter complex number (rectangular notation) whether RECT is set or not ; e.g. a i b ENTER results in a + b i (Info : In NIM, works like CC with RECT set ; displayed according to flag CPXj when in RECT mode) Ref : https://r7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_2.pdf	CPXj	CLEAR	<no annunciator>
	i (op_ i)	Command		Keyboard longpress [x ²]	Complex number (rectangular notation)	Enter complex number (rectangular notation) whether RECT is set or not ; e.g. a i b ENTER results in a + b i (Info : In NIM, works like CC with RECT set ; displayed according to flag CPXj when in RECT mode) Ref : https://r7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_2.pdf	CPXj	CLEAR	<no annunciator>
	$i_{\oplus}$ (op_ $i_{\oplus}$)	Command		Menu [CPX.1] F6	Complex number (polar notation)	Enter complex number (polar notation) whether POLAR is set or not ; e.g. a $i_{\oplus}$ b ENTER results in a $\angle$ b (according to ADM) (Info : In NIM, works like CC with POLAR set ; displayed according to flag CPXj when in RECT mode) Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_CPX_page_1.pdf	CPXj	CLEAR	<no annunciator>
				Menu [M_EDIT.1] fF3	Complex number (polar notation)	Enter complex number (polar notation) whether POLAR is set or not ; e.g. a $i_{\oplus}$ b ENTER results in a $\angle$ b (according to ADM) (Info : In NIM, works like CC with POLAR set ; displayed according to flag CPXj when in RECT mode) Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_M_EDIT_page_1.pdf	CPXj	CLEAR	<no annunciator>
				Menu [MyM.1] F5	Complex number (polar notation)	Enter complex number (polar notation) whether POLAR is set or not ; e.g. a $i_{\oplus}$ b ENTER results in a $\angle$ b (according to ADM) (Info : In NIM, works like CC with POLAR set ; displayed according to flag CPXj when in RECT mode) Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_MyMenu_page_1.pdf	CPXj	CLEAR	<no annunciator>
				Menu [MyM.5] F6	Complex number (polar notation)	Enter complex number (polar notation) whether POLAR is set or not ; e.g. a $i_{\oplus}$ b ENTER results in a $\angle$ b (according to ADM) (Info : In NIM, works like CC with POLAR set ; displayed according to flag CPXj when in RECT mode) Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_MyMenu_page_5.pdf	CPXj	CLEAR	<no annunciator>
				Menu [MyM.6] F2	Complex number (polar notation)	Enter complex number (polar notation) whether POLAR is set or not ; e.g. a $i_{\oplus}$ b ENTER results in a $\angle$ b (according to ADM) (Info : In NIM, works like CC with POLAR set ; displayed according to flag CPXj when in RECT mode) Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_MyMenu_page_6.pdf	CPXj	CLEAR	<no annunciator>
				Menu [EDITN (M_EDIT).1] fF3	Complex number (polar notation)	Enter complex number (polar notation) whether POLAR is set or not ; e.g. a $i_{\oplus}$ b ENTER results in a $\angle$ b (according to ADM) (Info : In NIM, works like CC with POLAR set ; displayed according to flag CPXj when in RECT mode) Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_EDITN_page_1.pdf	CPXj	CLEAR	<no annunciator>
				Menu [EDIT (M_EDIT).1] fF3	Complex number (polar notation)	Enter complex number (polar notation) whether POLAR is set or not ; e.g. a $i_{\oplus}$ b ENTER results in a $\angle$ b (according to ADM) (Info : In NIM, works like CC with POLAR set ; displayed according to flag CPXj when in RECT mode) Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_EDIT_MATX_page_1.pdf	CPXj	CLEAR	<no annunciator>
				Menu [ELEC.1] F2	Complex number (polar notation)	Enter complex number (polar notation) whether POLAR is set or not ; e.g. a $i_{\oplus}$ b ENTER results in a $\angle$ b (according to ADM) (Info : In NIM, works like CC with POLAR set ; displayed according to flag CPXj when in RECT mode) Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_ELEC_page_1.pdf	CPXj	CLEAR	<no annunciator>
				Menu [HOME.1] F2	Complex number (polar notation)	Enter complex number (polar notation) whether POLAR is set or not ; e.g. a $i_{\oplus}$ b ENTER results in a $\angle$ b (according to ADM) (Info : In NIM, works like CC with POLAR set ; displayed according to flag CPXj when in RECT mode) Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_HOME_page_1.pdf	CPXj	CLEAR	<no annunciator>
	$i_{\oplus}$ (op_ $i_{\oplus}$)	Command		Keyboard f[$\sqrt{x}$]	Complex number (polar notation)	Enter complex number (polar notation) whether POLAR is set or not ; e.g. a $i_{\oplus}$ b ENTER results in a $\angle$ b (according to ADM) (Info : In NIM, works like CC with POLAR set ; displayed according to flag CPXj when in RECT mode) Ref : https://r7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_2.pdf	CPXj	CLEAR	<no annunciator>
	$i_{\oplus}$ (op_ $i_{\oplus}$)	Command		Keyboard longpress [$\sqrt{x}$]	Complex number (polar notation)	Enter complex number (polar notation) whether POLAR is set or not ; e.g. a $i_{\oplus}$ b ENTER results in a $\angle$ b (according to ADM) (Info : In NIM, works like CC with POLAR set ; displayed according to flag CPXj when in RECT mode) Ref : https://r7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_2.pdf	CPXj	CLEAR	<no annunciator>
	Im	Function (monadic)		Menu [CPX.1] F2	Imaginary part	Imaginary part of Complex number Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_CPX_page_1.pdf			
				Menu [REAL.1] gF6	Imaginary part	Imaginary part of Complex number Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_REAL_page_1.pdf			
				Menu [FCNS.2] fF2	Imaginary part	Imaginary part of Complex number Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_FCNS_EQN_page_2.pdf			
	R→C	Function (dyadic)		Menu [CPX.1] gF4	Real to Complex	Convert Real to Complex (in POLAR, using angle tag or ADM) Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_CPX_page_1.pdf			
	Re	Function (monadic)		Menu [CPX.1] F1	Real part	Real part of Complex number Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_CPX_page_1.pdf			
				Menu [REAL.1] gF5	Real part	Real part of Complex number Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_REAL_page_1.pdf			
				Menu [FCNS.3] F3	Real part	Real part of Complex number Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_FCNS_EQN_page_3.pdf			
	Re $\leftrightarrow$ Im	Command		Menu [CPX.1] F4	Exchange real and imaginary part	Exchange real and imaginary part of Complex number Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_CPX_page_1.pdf			
	UNITV	Command		Menu [CPX.1] fF2	Unit vector or matrix	Unit vector or matrix for Real or Complex matrix or vector ; the result will have Euclidean magnitude 1 (Info : UNITV also applies to Complex numbers) Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_CPX_page_1.pdf			
				Menu [VECTOR.1] fF2	Unit vector or matrix	Unit vector or matrix for Real or Complex matrix or vector ; the result will have Euclidean magnitude 1 (Info : UNITV also applies to Complex numbers) Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_VECTOR_page_1.pdf			
				Menu [VECTOR.2] fF2	Unit vector or matrix	Unit vector or matrix for Real or Complex matrix or vector ; the result will have Euclidean magnitude 1 (Info : UNITV also applies to Complex numbers) Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_VECTOR_page_2.pdf			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
				Menu [MATX.2] fF2	Unit vector or matrix	Unit vector or matrix for Real or Complex matrix or vector ; the result will have Euclidean magnitude 1 (Info : UNITV also applies to Complex numbers) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MATX_page_2.pdf			
Constants	CNST	Command		Catalog CAT.FCNS CNST	Constant	Get value of one of the important scientific and technical constants (TAM : CNST ... TamNonReg menu (parameter 0-83) ; TI : <constant abbreviation> = <value>; Ref : https://r7calc.com/doc/R47/Reference/R47v0_Constants.pdf)			
	π	Command		Menu [MyM.2] F3	pi	Enter value of pi on the stack Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MyMenu_page_2.pdf			
	π	Command		Keyboard f[R4]	pi	Enter value of pi on the stack Ref : https://r7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_3.pdf			
	π	Command		Keyboard longpress [R4]	pi	Enter value of pi on the stack Ref : https://r7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_3.pdf			
Customisation	MLC47	Command		Menu [RIBBONS.1] F5	MyMenu C47	MyMenu primary F-key C47 ribbon ; leaves shifted rows intact ; documented as MyMenu p5 (TI : MyMenu primary F-key C47 ribbon) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_RIBBONS_page_1.pdf			
	MLC47+	Command		Menu [RIBBONS.1] fF5	MyMenu C47 Plus	MyMenu primary F-key C47 Plus ribbon ; leaves shifted rows intact ; documented as MyMenu p8 (TI : MyMenu primary F-key C47 Plus ribbon) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_RIBBONS_page_1.pdf			
	MLCPX	Command		Menu [RIBBONS.1] F1	MyMenu Complex	MyMenu primary F-key Complex ribbon ; leaves shifted rows intact ; documented as MyMenu p1 (TI : MyMenu primary F-key Complex ribbon) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_RIBBONS_page_1.pdf			
	MLENG	Command		Menu [RIBBONS.1] F2	MyMenu Engineering	MyMenu primary F-key Engineering ribbon ; leaves shifted rows intact ; documented as MyMenu p2 (TI : MyMenu primary F-key Engineering ribbon ; Info : ribbon MLENG is layout dependent) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_RIBBONS_page_1.pdf			
	MLFIN	Command		Menu [RIBBONS.1] F3	MyMenu Financial	MyMenu primary F-key Financial ribbon ; leaves shifted rows intact ; documented as MyMenu p3 (TI : MyMenu primary F-key Financial ribbon) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_RIBBONS_page_1.pdf			
	MLFIN+	Command		Menu [RIBBONS.1] fF3	MyMenu Financial Plus	MyMenu primary F-key Financial Plus ribbon ; leaves shifted rows intact ; documented as MyMenu p7 (TI : MyMenu primary F-key Financial Plus ribbon) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_RIBBONS_page_1.pdf			
	MLR47	Command		Menu [RIBBONS.1] F6	MyMenu R47	MyMenu primary F-key R47 ribbon ; leaves shifted rows intact ; documented as MyMenu p6 (TI : MyMenu primary F-key R47 ribbon) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_RIBBONS_page_1.pdf			
	MLR47+	Command		Menu [RIBBONS.1] fF6	MyMenu R47 Plus	MyMenu primary F-key R47 Plus ribbon ; leaves shifted rows intact ; documented as MyMenu p10 (TI : MyMenu primary F-key R47 Plus ribbon) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_RIBBONS_page_1.pdf			
	MSAV	Command		Menu [RIBBONS.1] F4	MyMenu Save/Load	MyMenu primary F-key Save/Load ribbon ; leaves shifted rows intact ; documented as MyMenu p4 (TI : MyMenu primary F-key Save/Load ribbon) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_RIBBONS_page_1.pdf			
	MSAV+	Command		Menu [RIBBONS.1] fF4	MyMenu Save/Load Plus	MyMenu primary F-key Save/Load Plus ribbon ; leaves shifted rows intact ; documented as MyMenu p8 (TI : MyMenu primary F-key Save/Load Plus ribbon) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_RIBBONS_page_1.pdf			
	N→U	Command		Menu [□ KEY.1] fF6	Copy <none> assignment to USER	Copy <none> NORMAL assignment to <none> USER assignment and activate USER mode (Info : Does not copy →g or →f/g assignment) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_NRMKEY_page_1.pdf			
	U→N	Command		Menu [□ KEY.1] F6	Copy USER assignment to <none>	Copy <none> USER assignment to <none> NORMAL assignment and deactivate USER mode Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_NRMKEY_page_1.pdf			
Density conversions	blob/in³→kg/m³	Function (monadic, linked)		Menu [MatPrp.:1] gF6	blob/in³ to kg/m³	Convert blob per cubic inch to kilogram per cubic metre (TI : kg/m³) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MatPrp_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	blob/in³→lbs/in³	Function (monadic, linked)		Menu [MatPrp.:1] gF4	blob/in³ to lbs/in³	Convert blob per cubic inch to pound per cubic inch (TI : lbs/in³) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MatPrp_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	kg/m³→blob/in³	Function (monadic, linked)		Menu [MatPrp.:1] gF5	kg/m³ to blob/in³	Convert kilogram per cubic metre to blob per cubic inch (TI : blob/in³ ; Info : single = lob/in³÷e) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MatPrp_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	kg/m³→lbs/in³	Function (monadic, linked)		Menu [MatPrp.:1] F4	kg/m³ to lbs/in³	Convert kilogram per cubic metre to pound per cubic inch (TI : lbs/in³) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MatPrp_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	kg/m³→t/mm³	Function (monadic, linked)		Menu [MatPrp.:1] fF5	kg/m³ to t/mm³	Convert kilogram per cubic metre to metric tonne per cubic millimetre (TI : t/mm³) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MatPrp_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	lbs/in³→blob/in³	Function (monadic, linked)		Menu [MatPrp.:1] gF3	lbs/in³ to blob/in³	Convert pound per cubic inch to blob per cubic inch (TI : blob/in³ ; Info : single = lob/in³÷e) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MatPrp_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	lbs/in³→kg/m³	Function (monadic, linked)		Menu [MatPrp.:1] F3	lbs/in³ to kg/m³	Convert pound per cubic inch to kilogram per cubic metre (TI : kg/m³) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MatPrp_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	lbs/in³→t/mm³	Function (monadic, linked)		Menu [MatPrp.:1] fF3	lbs/in³ to t/mm³	Convert pound per cubic inch to metric tonne per cubic millimetre (TI : t/mm³) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MatPrp_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	t/mm³→kg/m³	Function (monadic, linked)		Menu [MatPrp.:1] fF6	t/mm³ to kg/m³	Convert metric tonne per cubic millimetre to kilogram per cubic metre (TI : kg/m³) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MatPrp_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	t/mm³→lbs/in³	Function (monadic, linked)		Menu [MatPrp.:1] fF4	t/mm³ to lbs/in³	Convert metric tonne per cubic millimetre to pound per cubic inch (TI : lbs/in³) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MatPrp_page_1.pdf	CONV _{HP}	SET	<no annunciator>
Display	HIDE#	Command	0	Menu [INFO.2] fF2	Get hide parameter	Get parameter to hide small Real numbers or parts (Info : Set by HIDE) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_INFO_page_2.pdf			
	NDEC ₃	Command	3	Menu [INFO.3] fF4	Set number of digits displayed	Set number of digits displayed to X ; also set by DSP or interactively from menu MLoads: (parameter for FIX ; SCI ; ENG ; UNIT ; SIG ; ALL) (Info : Range is [0, 19]) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_INFO_page_3.pdf			
	NDEC#	Command	3	Menu [INFO.3] F4	Get number of digits displayed	Get number of digits displayed ; set by DSP or interactively from menu MLoads: (parameter for FIX ; SCI ; ENG ; UNIT ; SIG ; ALL) and by NDEC (Info : Range is [0, 19]) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_INFO_page_3.pdf			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
Distance conversions	au→m	Function (monadic, linked)		Menu [Length:1] gF5	au to m	Convert astronomical unit to metre (TI : m) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Length_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	Banana→in	Function (monadic, linked)		Menu [FFF+:1] gF1	Banana to in	Convert Banana length to inch (TI : in) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_FFF+_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	Banana→mm	Function (monadic, linked)		Menu [FFF+:1] fF1	Banana to mm	Convert Banana length to millimetre (TI : mm) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_FFF+_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	brds→in	Function (monadic, linked)		Menu [FFF+:2] F3	brds to in	Convert beardsecond to inch (TI : in) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_FFF+_page_2.pdf	CONV _{HP}	SET	<no annunciator>
	brds→m	Function (monadic, linked)		Menu [FFF+:2] F1	brds to m	Convert beardsecond to metre (TI : m) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_FFF+_page_2.pdf	CONV _{HP}	SET	<no annunciator>
	chī→m	Function (monadic, linked)		Menu [Length:2] gF3	chī to m	Convert chi to metre (TI : m) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Length_page_2.pdf	CONV _{HP}	SET	<no annunciator>
	cm→in	Function (monadic, linked)		Menu [Length:3] gF4	cm to in	Convert Centimetre to inch (TI : in) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Length_page_3.pdf	CONV _{HP}	SET	<no annunciator>
	cūn→m	Function (monadic, linked)		Menu [Length:2] fF5	cūn to m	Convert cūn to metre (TI : m) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Length_page_2.pdf	CONV _{HP}	SET	<no annunciator>
	fathom→m	Function (monadic, linked)		Menu [Length:3] fF3	fathom to m	Convert fathom to metre (TI : m) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Length_page_3.pdf	CONV _{HP}	SET	<no annunciator>
	fēn→m	Function (monadic, linked)		Menu [Length:2] gF5	fēn to m	Convert fēn to metre (TI : m) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Length_page_2.pdf	CONV _{HP}	SET	<no annunciator>
	ft→m	Function (monadic, linked)		Menu [Length:1] fF3	ft to m	Convert foot to metre (TI : m) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Length_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	fur→m	Function (monadic, linked)		Menu [FFF+:1] F1	fur to m	Convert furlong to metre (TI : m) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_FFF+_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	in→Banana	Function (monadic, linked)		Menu [FFF+:1] gF2	in to Banana	Convert inch to Banana length (TI : Banana) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_FFF+_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	in→brds	Function (monadic, linked)		Menu [FFF+:2] F4	in to brds	Convert inch to beardsecond (TI : brds) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_FFF+_page_2.pdf	CONV _{HP}	SET	<no annunciator>
	in→cm	Function (monadic, linked)		Menu [Length:3] gF3	in to cm	Convert inch to Centimetre (TI : cm) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Length_page_3.pdf	CONV _{HP}	SET	<no annunciator>
	in→mm	Function (monadic, linked)		Menu [Length:1] gF3	in to mm	Convert inch to millimetre (TI : mm) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Length_page_1.pdf	CONV _{HP}	SET	<no annunciator>
				Menu [SecPrp:1] F3	in to mm	Convert inch to millimetre (TI : mm) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_SecPrp_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	km→mi	Function (monadic, linked)		Menu [Length:1] F2	km to mi	Convert kilometre to mile (TI : mi) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Length_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	km→nmi	Function (monadic, linked)		Menu [Length:1] fF2	km to nmi	Convert kilometre to nautical mile (TI : nmi) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Length_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	lī→m	Function (monadic, linked)		Menu [Length:2] F1	lī to m	Convert lī to metre (TI : m) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Length_page_2.pdf	CONV _{HP}	SET	<no annunciator>
	ly→m	Function (monadic, linked)		Menu [Length:1] fF5	ly to m	Convert light year to metre (TI : m) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Length_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	m→au	Function (monadic, linked)		Menu [Length:1] gF6	m to au	Convert metre to astronomical unit (TI : au) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Length_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	m→brds	Function (monadic, linked)		Menu [FFF+:2] F2	m to brds	Convert metre to beardsecond (TI : brds) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_FFF+_page_2.pdf	CONV _{HP}	SET	<no annunciator>
	m→chī	Function (monadic, linked)		Menu [Length:2] gF4	m to chī	Convert metre to chī (TI : chī) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Length_page_2.pdf	CONV _{HP}	SET	<no annunciator>
	m→cūn	Function (monadic, linked)		Menu [Length:2] fF6	m to cūn	Convert metre to cūn (TI : cūn) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Length_page_2.pdf	CONV _{HP}	SET	<no annunciator>
	m→fathom	Function (monadic, linked)		Menu [Length:3] fF4	m to fathom	Convert metre to fathom (TI : fathom) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Length_page_3.pdf	CONV _{HP}	SET	<no annunciator>
	m→fēn	Function (monadic, linked)		Menu [Length:2] gF6	m to fēn	Convert metre to fēn (TI : fēn) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Length_page_2.pdf	CONV _{HP}	SET	<no annunciator>
	m→ft	Function (monadic, linked)		Menu [Length:1] fF4	m to ft	Convert metre to foot (TI : ft) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Length_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	m→fur	Function (monadic, linked)		Menu [FFF+:1] F2	m to fur	Convert metre to furlong (TI : fur) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_FFF+_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	m→lī	Function (monadic, linked)		Menu [Length:2] F2	m to lī	Convert metre to lī (TI : lī) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Length_page_2.pdf	CONV _{HP}	SET	<no annunciator>
	m→ly	Function (monadic, linked)		Menu [Length:1] fF6	m to ly	Convert metre to light year (TI : ly) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Length_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	m→mi	Function (monadic, linked)		Menu [Length:3] F2	m to mi	Convert metre to mile (TI : mi) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Length_page_3.pdf	CONV _{HP}	SET	<no annunciator>
	m→nmi	Function (monadic, linked)		Menu [Length:3] fF2	m to nmi	Convert metre to nautical mile (TI : nmi) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Length_page_3.pdf	CONV _{HP}	SET	<no annunciator>
	m→pc	Function (monadic, linked)		Menu [Length:1] F6	m to pc	Convert metre to parsec (TI : pc) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Length_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	m→survey ft _{US}	Function (monadic, linked)		Menu [Length:3] F4	m to survey ft _{US}	Convert metre to US survey foot (TI : survey ft _{US} ; Info : single = ey ft _{US}) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Length_page_3.pdf	CONV _{HP}	SET	<no annunciator>
	m→yd	Function (monadic, linked)		Menu [Length:1] F4	m to yd	Convert metre to yard (TI : yd) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Length_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	m→yīn	Function (monadic, linked)		Menu [Length:2] F4	m to yīn	Convert metre to yīn (TI : yīn) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Length_page_2.pdf	CONV _{HP}	SET	<no annunciator>
	m→zhāng	Function (monadic, linked)		Menu [Length:2] fF4	m to zhāng	Convert metre to zhāng (TI : zhāng) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Length_page_2.pdf	CONV _{HP}	SET	<no annunciator>
	mi→km	Function (monadic, linked)		Menu [Length:1] F1	mi to km	Convert mile to kilometre (TI : km) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Length_page_1.pdf	CONV _{HP}	SET	<no annunciator>

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	mi→m	Function (monadic, linked)		Menu [Length:3] F1	mi to m	Convert mile to metre (TI : m) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_Length_page_3.pdf	CONV _{HP}	SET	<no annunciator>
	mi→nmi	Function (monadic, linked)		Menu [Length:1] gF2	mi to nmi	Convert mile to nautical mile (TI : nmi) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_Length_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	mm→Banana	Function (monadic, linked)		Menu [FFF+:1] ffF2	mm to Banana	Convert millimetre to Banana length (TI : Banana) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_FFF+_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	mm→in	Function (monadic, linked)		Menu [Length:1] gF4	mm to in	Convert millimetre to inch (TI : in) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_Length_page_1.pdf	CONV _{HP}	SET	<no annunciator>
				Menu [SecPrp:1] F4	mm to in	Convert millimetre to inch (TI : in) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_SecPrp_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	mm→point	Function (monadic, linked)		Menu [Length:3] F6	mm to point	Convert millimetre to point (TI : point) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_Length_page_3.pdf	CONV _{HP}	SET	<no annunciator>
	nmi→km	Function (monadic, linked)		Menu [Length:1] ffF1	nmi to km	Convert nautical mile to kilometre (TI : km) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_Length_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	nmi→m	Function (monadic, linked)		Menu [Length:3] ffF1	nmi to m	Convert nautical mile to metre (TI : m) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_Length_page_3.pdf	CONV _{HP}	SET	<no annunciator>
	nmi→mi	Function (monadic, linked)		Menu [Length:1] gF1	nmi to mi	Convert nautical mile to mile (TI : mi) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_Length_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	pc→m	Function (monadic, linked)		Menu [Length:1] F5	pc to m	Convert parsec to metre (TI : m) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_Length_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	point→mm	Function (monadic, linked)		Menu [Length:3] F5	point to mm	Convert point to millimetre (TI : mm) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_Length_page_3.pdf	CONV _{HP}	SET	<no annunciator>
	survey ft _{US} →m	Function (monadic, linked)		Menu [Length:3] F3	survey ft _{US} to m	Convert US survey foot to metre (TI : m) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_Length_page_3.pdf	CONV _{HP}	SET	<no annunciator>
	yd→m	Function (monadic, linked)		Menu [Length:1] F3	yd to m	Convert yard to metre (TI : m) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_Length_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	yin→m	Function (monadic, linked)		Menu [Length:2] F3	yin to m	Convert yin to metre (TI : m) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_Length_page_2.pdf	CONV _{HP}	SET	<no annunciator>
	zhǎng→m	Function (monadic, linked)		Menu [Length:2] ffF3	zhǎng to m	Convert zhǎng to metre (TI : m) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_Length_page_2.pdf	CONV _{HP}	SET	<no annunciator>
Electrical engineering	[A] (op_A)	Command		Menu [ELEC.1] ffF5	Create 3x3 A-Matrix	Create 3x3 A-Matrix relating to Fortescue's Symmetrical Components -- see https://en.wikipedia.org/wiki/Symmetrical_components#A_matrix Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_ELEC_page_1.pdf			
	[A ⁻¹] (op_A ⁻¹)	Command		Menu [ELEC.1] ffF6	Create 3x3 A(inverse)-Matrix	Create 3x3 A(inverse)-Matrix relating to Fortescue's Symmetrical Components -- see https://en.wikipedia.org/wiki/Symmetrical_components#A_matrix Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_ELEC_page_1.pdf			
	012→abc (SYMtoA)	Function (triadic)		Menu [ELEC.2] gF5	Convert from symmetrical components	Convert symmetrical components a0, a1, a2 in Z, Y, X to 3-phase a, b, c in Z, Y, X Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_ELEC_page_2.pdf			
	3R→3P	Function (triadic)		Menu [ELEC.2] gF6	Convert triple RECT ↔ POLAR	Convert Real Z, Y, X to Complex Z, Y, X (according to flag POLAR) and vice versa (Info : Three-phase rectangular-polar conversion) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_ELEC_page_2.pdf			
	3RCL _{I93}	Command		Menu [ELEC.2] ffF2	Recall triple I	Push R93, R94, R95 to X, Y, Z ; used in menu ELEC and as dedicated registers for Virtual compound data types, as a "Triplet" stored in R93, R94, R95, interpreted as FMA (fused multiply-add) of R93 × R94 + R95 when used by extended accuracy functions in menu XFCNS ; split screen may show "No error" (Info : R93, mapped to R93, R94, R95) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_ELEC_page_2.pdf			
	3RCLV ₉₈	Command		Menu [ELEC.2] ffF1	Recall triple V	Push R90, R91, R92 to X, Y, Z ; used in menu ELEC and as dedicated registers for Virtual compound data types, as a "Triplet" stored in R90, R91, R92, interpreted as FMA (fused multiply-add) of R90 × R91 + R92 when used by extended accuracy functions in menu XFCNS ; split screen may show "No error" (Info : R90, mapped to R90, R91, R92) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_ELEC_page_2.pdf			
	3RCLZ ₉₆	Command		Menu [ELEC.2] ffF3	Recall triple Z	Push R96, R97, R98 to X, Y, Z ; used in menu ELEC and as dedicated registers for Virtual compound data types, as a "Triplet" stored in R96, R97, R98, interpreted as FMA (fused multiply-add) of R96 × R97 + R98 when used by extended accuracy functions in menu XFCNS ; split screen may show "No error" (Info : R96, mapped to R96, R97, R98) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_ELEC_page_2.pdf			
	3STOI ₉₃	Command		Menu [ELEC.2] gF2	Store triple I	Copy X, Y, Z to R93, R94, R95 ; used in menu ELEC and as dedicated registers for Virtual compound data types, as a "Triplet" stored in R93, R94, R95, interpreted as FMA (fused multiply-add) of R93 × R94 + R95 when used by extended accuracy functions in menu XFCNS ; split screen may show "No error" (Info : R93, mapped to R93, R94, R95) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_ELEC_page_2.pdf			
	3STOV ₉₈	Command		Menu [ELEC.2] gF1	Store triple V	Copy X, Y, Z to R90, R91, R92 ; used in menu ELEC and as dedicated registers for Virtual compound data types, as a "Triplet" stored in R90, R91, R92, interpreted as FMA (fused multiply-add) of R90 × R91 + R92 when used by extended accuracy functions in menu XFCNS ; split screen may show "No error" (Info : R90, mapped to R90, R91, R92) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_ELEC_page_2.pdf			
	3STOZ ₉₆	Command		Menu [ELEC.2] gF3	Store triple Z	Copy X, Y, Z to R96, R97, R98 ; used in menu ELEC and as dedicated registers for Virtual compound data types, as a "Triplet" stored in R96, R97, R98, interpreted as FMA (fused multiply-add) of R96 × R97 + R98 when used by extended accuracy functions in menu XFCNS ; split screen may show "No error" (Info : R96, mapped to R96, R97, R98) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_ELEC_page_2.pdf			
	a (op_a)	Command		Menu [ELEC.1] ffF3	Operator a	Insert value of $1 \angle 120^\circ$ Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_ELEC_page_1.pdf			
	abc→012 (AtoSYM)	Function (triadic)		Menu [ELEC.2] gF4	Convert to symmetrical components	Convert 3-phase a, b, c in Z, Y, X to symmetrical components a0, a1, a2 in Z, Y, X Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_ELEC_page_2.pdf			
	a ² (op_a ²)	Command		Menu [ELEC.1] ffF4	Operator a ²	Insert value of $1 \angle 240^\circ$ Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_ELEC_page_1.pdf			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	I=V÷Z	Function (triadic)		Menu [ELEC.2] F2	Triple I = V ÷ Z	X = R90 / R96 ; Y = R91 / R97 ; Z = R92 / R98 Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_ELEC_page_2.pdf			
	M→zyx	Function (monadic)		Menu [ELEC.1] gF4	Decompose 3x1 matrix	Decompose 3x1 matrix to Z, Y, X Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_ELEC_page_1.pdf			
	V=I×Z	Function (triadic)		Menu [ELEC.2] F1	Triple V = I × Z	X = R93 × R96 ; Y = R94 × R97 ; Z = R95 × R98 Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_ELEC_page_2.pdf			
	X→BAL	Function (monadic)		Menu [ELEC.2] F4	X Balanced	Create balanced 3 phase quantities by pushing onto stack X × a, then X × a × a Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_ELEC_page_2.pdf			
	Y→Δ	Function (triadic)		Menu [ELEC.2] fF5	Star (Wye) to Delta	Convert delta connected impedances X, Y, Z to star impedances X, Y, Z (Tl : ca ; ab ; bc :) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_ELEC_page_2.pdf			
	Z=V÷I	Function (triadic)		Menu [ELEC.2] F3	Triple Z = V ÷ I	X = R90 / R93 ; Y = R91 / R94 ; Z = R92 / R95 Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_ELEC_page_2.pdf			
	zyx→M	Function (triadic)		Menu [ELEC.1] gF3	Compose 3x1 matrix	Compose 3x1 matrix from Z, Y, X Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_ELEC_page_1.pdf			
	Δ→Y	Function (triadic)		Menu [ELEC.2] fF4	Delta to Star (Wye)	Convert star connected impedances X, Y, Z to delta impedances X, Y, Z (Tl : a ; b ; c :) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_ELEC_page_2.pdf			
Electrical engineering and characters		Function (dyadic)		Menu [X.FN.1] fF2	Parallel impedance	Parallel impedance : (X × Y) / (X + Y) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_X-FN_page_1.pdf			
				Menu [ELEC.1] F5	Parallel impedance	Parallel impedance : (X × Y) / (X + Y) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_ELEC_page_1.pdf			
				Menu [HOME.1] fF4	Parallel impedance	Parallel impedance : (X × Y) / (X + Y) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_HOME_page_1.pdf			
Energy conversions	Btu→J	Function (monadic, linked)		Menu [Energy.1] F5	Btu to J	Convert British Thermal Unit to Joule (Tl : J) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Energy_page_1.pdf	CONVhp	SET	<no annunciator>
	cal→J	Function (monadic, linked)		Menu [Energy.1] F3	cal to J	Convert calorie to Joule (Tl : J) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Energy_page_1.pdf	CONVhp	SET	<no annunciator>
	erg→J	Function (monadic, linked)		Menu [Energy.1] fF3	erg to J	Convert erg to Joule (Tl : J) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Energy_page_1.pdf	CONVhp	SET	<no annunciator>
	eV→J	Function (monadic, linked)		Menu [Energy.1] fF1	eV to J	Convert electronvolt to Joule (Tl : J) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Energy_page_1.pdf	CONVhp	SET	<no annunciator>
	foe→J	Function (monadic, linked)		Menu [Energy.1] fF5	foe to J	Convert foe to Joule (Tl : J) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Energy_page_1.pdf	CONVhp	SET	<no annunciator>
	J→Btu	Function (monadic, linked)		Menu [Energy.1] F6	J to Btu	Convert Joule to British Thermal Unit (Tl : Btu) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Energy_page_1.pdf	CONVhp	SET	<no annunciator>
	J→cal	Function (monadic, linked)		Menu [Energy.1] F4	J to cal	Convert Joule to calorie (Tl : cal) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Energy_page_1.pdf	CONVhp	SET	<no annunciator>
	J→erg	Function (monadic, linked)		Menu [Energy.1] fF4	J to erg	Convert Joule to erg (Tl : erg) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Energy_page_1.pdf	CONVhp	SET	<no annunciator>
	J→eV	Function (monadic, linked)		Menu [Energy.1] fF2	J to eV	Convert Joule to electronvolt (Tl : eV) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Energy_page_1.pdf	CONVhp	SET	<no annunciator>
	J→foe	Function (monadic, linked)		Menu [Energy.1] fF6	J to foe	Convert Joule to foe (Tl : foe) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Energy_page_1.pdf	CONVhp	SET	<no annunciator>
	J→Wh	Function (monadic, linked)		Menu [Energy.1] F2	J to Wh	Convert Joule to Watt-hour (Tl : Wh) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Energy_page_1.pdf	CONVhp	SET	<no annunciator>
	Wh→J	Function (monadic, linked)		Menu [Energy.1] F1	Wh to J	Convert Watt-hour to Joule (Tl : J) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Energy_page_1.pdf	CONVhp	SET	<no annunciator>
Equations	Calc f	Command		Menu [f Solve.1] F6	Calculate result	Calculate value of the result for the expression (Tl : f =) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_f-Solve_page_1.pdf			
	Calc f'	Command		Menu [f'.1] F6	First derivative [EQN]	Numerically calculate first derivative for (starred) variable (Tl : f' =) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_f-prime_page_1.pdf			
	Calc f''	Command		Menu [f''.1] F6	Second derivative [EQN]	Numerically calculate second derivative for (starred) variable (Tl : f'' =) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_f-double_page_1.pdf			
	EDIT (EQ,EDIT)	Command (submnv)		Menu [EQN.1] F2	Edit equation	Open equation editor menu to edit equation (previous equation loaded) (Info : EIM = Equation Input Mode ; Ref : https://N7calc.com/doc/RN7/Reference/RN7v0_Equation_editor.pdf) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_EQN_page_1.pdf			
EV economy conversions	km/kWh→kWh/l _{100km}	Function (monadic, linked)		Menu [Ymmv.1] F6	km/kWh to kWh/l _{100km}	Convert kilometre per kiloWatt-hour to kiloWatt-hour per 100 kilometre (Tl : kWh/100km ; Info : single = E/l _{100km}) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Ymmv_page_1.pdf	CONVhp	SET	<no annunciator>
	km/ℓ _g →kWh/l _{100km}	Function (monadic, linked)		Menu [Ymmv.1] F3	km/ℓ _g to kWh/l _{100km}	Convert kilometre per litre equivalent to kiloWatt-hour per 100 kilometre (Tl : kWh/100km ; Info : single = E/l _{100km}) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Ymmv_page_1.pdf	CONVhp	SET	<no annunciator>
	kWh/l _{100km} →km/kWh	Function (monadic, linked)		Menu [Ymmv.1] F5	kWh/l _{100km} to km/kWh	Convert kiloWatt-hour per 100 kilometre to kilometre per kiloWatt-hour (Tl : km/kWh ; Info : single = km/E) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Ymmv_page_1.pdf	CONVhp	SET	<no annunciator>
	kWh/l _{100km} →km/ℓ _g	Function (monadic, linked)		Menu [Ymmv.1] F4	kWh/l _{100km} to km/ℓ _g	Convert kiloWatt-hour per 100 kilometre to kilometre per litre equivalent (Tl : km/ℓ _g) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Ymmv_page_1.pdf	CONVhp	SET	<no annunciator>
	kWh/l _{100km} →kWh/l _{100mi}	Function (monadic, linked)		Menu [Ymmv.1] fF6	kWh/l _{100km} to kWh/l _{100mi}	Convert kiloWatt-hour per 100 kilometre to kiloWatt-hour per 100 mile (Tl : kWh/100mi ; Info : single = E/l _{100mi}) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Ymmv_page_1.pdf	CONVhp	SET	<no annunciator>
	kWh/l _{100mi} →kWh/l _{100km}	Function (monadic, linked)		Menu [Ymmv.1] fF5	kWh/l _{100mi} to kWh/l _{100km}	Convert kiloWatt-hour per 100 mile to kiloWatt-hour per 100 kilometre (Tl : kWh/100km ; Info : single = E/l _{100km}) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Ymmv_page_1.pdf	CONVhp	SET	<no annunciator>
	kWh/l _{100mi} →mi/kWh	Function (monadic, linked)		Menu [Ymmv.1] gF5	kWh/l _{100mi} to mi/kWh	Convert kiloWatt-hour per 100 mile to mile per kiloWatt-hour (Tl : mi/kWh ; Info : single = mi/E) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Ymmv_page_1.pdf	CONVhp	SET	<no annunciator>
	kWh/l _{100mi} →mpg _{US}	Function (monadic, linked)		Menu [Ymmv.1] gF4	kWh/l _{100mi} to mpg _{US}	Convert kiloWatt-hour per 100 mile to mpg gasoline equivalent UK (Tl : mpg _{US}) Ref : https://N7calc.com/doc/RN7/Menu/RN7v0_Menu_Ymmv_page_1.pdf	CONVhp	SET	<no annunciator>

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	kWh/l _{mi} →mpge _{US}	Function (monadic, linked)		Menu [Ymmv:1] fF4	kWh/l _{mi} to mpge _{US}	Convert kiloWatt-hour per 100 mile to mpg gasoline equivalent US (TI : mpge _{US}) Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_Ymmv_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	mi/kWh→kWh/l _{mi}	Function (monadic, linked)		Menu [Ymmv:1] gF6	mi/kWh to kWh/l _{mi}	Convert mile per kiloWatt-hour to kiloWatt-hour per 100 mile (TI : kWh/100mi ; Info : single = E/l _{mi} →) Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_Ymmv_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	mpge _{UK} →kWh/l _{mi}	Function (monadic, linked)		Menu [Ymmv:1] gF3	mpge _{UK} to kWh/l _{mi}	Convert mpg gasoline equivalent UK to kiloWatt-hour per 100 mile (TI : kWh/100mi ; Info : single = E/l _{mi} →) Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_Ymmv_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	mpge _{US} →kWh/l _{mi}	Function (monadic, linked)		Menu [Ymmv:1] fF3	mpge _{US} to kWh/l _{mi}	Convert mpg gasoline equivalent US to kiloWatt-hour per 100 mile (TI : kWh/100mi ; Info : single = E/l _{mi} →) Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_Ymmv_page_1.pdf	CONV _{HP}	SET	<no annunciator>
Extended accuracy	X→XFN	Command (XFN)		Menu [XFCNS:1] gF1	XFN : Convert X to compound	Extended accuracy functionVirtual compound data type (0/1.0-1.5 ; 0/1.0 ; 0/1.0) : Convert X to Virtual compound data type (1.0-1.5 ; 0 ; 1.0) triplet in X, Y, Z ; load state file STATE/xfnToRn7user.s#7 to assign X→XFN to g[R#] (R#) in USER mode (Info : Error 31 -- Input data types do not match -- is raised when input contains Complex number (2.0-2.5) ; SBI Σ is displayed during calculation ; function not available on DM#2 hardware) Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_XFCNS_page_1.pdf			
				Menu [XFCNS:2] gF1	XFN : Convert X to compound	Extended accuracy functionVirtual compound data type (0/1.0-1.5 ; 0/1.0 ; 0/1.0) : Convert X to Virtual compound data type (1.0-1.5 ; 0 ; 1.0) triplet in X, Y, Z ; load state file STATE/xfnToRn7user.s#7 to assign X→XFN to g[R#] (R#) in USER mode (Info : Error 31 -- Input data types do not match -- is raised when input contains Complex number (2.0-2.5) ; SBI Σ is displayed during calculation ; function not available on DM#2 hardware) Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_XFCNS_page_2.pdf			
	X→DEG	Function (monadic, XFN)		Menu [XFCNS:1] F1	XFN : Set DEG tag or convert to DEG	Extended accuracy function : Set DEG tag or convert to DEG, for compound input from three consecutive stack registers, operates on X (Info : Error 31 -- Input data types do not match -- is raised when input contains Complex number (2.0-2.5) ; SBI Σ is displayed during calculation ; function not available on DM#2 hardware) Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_XFCNS_page_1.pdf			
	X→RAD	Function (monadic, XFN)		Menu [XFCNS:1] F2	XFN : Set RAD tag or convert to RAD	Extended accuracy function : Set RAD tag or convert to RAD, for compound input from three consecutive stack registers, operates on X (Info : Error 31 -- Input data types do not match -- is raised when input contains Complex number (2.0-2.5) ; SBI Σ is displayed during calculation ; function not available on DM#2 hardware) Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_XFCNS_page_1.pdf			
	X1/X	Function (monadic, XFN)		Menu [XFCNS:2] F3	XFN : Reciprocal	Extended accuracy function : Reciprocal, for compound input from three consecutive stack registers : 1 / (X × Y + Z) ; returns compound result in X, Y, Z, where Y contains Long integer (0) ; load state file STATE/xfnToRn7user.s#7 to assign X1/X to [1/x] in USER mode (Info : Error 31 -- Input data types do not match -- is raised when input contains Complex number (2.0-2.5) ; SBI Σ is displayed during calculation ; function not available on DM#2 hardware) Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_XFCNS_page_2.pdf			
	X10 ^x X	Function (monadic, XFN)		Menu [XFCNS:2] fF5	XFN : 10 to the power x	Extended accuracy function : 10 to the power x, for compound input from three consecutive stack registers : 10 ^x ×Y ^z ; returns compound result in X, Y, Z, where Y contains Long integer (0) ; load state file STATE/xfnToRn7user.s#7 to assign X10 ^x X to f[LOG] (10 ^x) in USER mode (Info : Error 31 -- Input data types do not match -- is raised when input contains Complex number (2.0-2.5) ; SBI Σ is displayed during calculation ; function not available on DM#2 hardware) Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_XFCNS_page_2.pdf			
	XACOS	Function (monadic, XFN)		Menu [XFCNS:1] gF5	XFN : Arc cosine	Extended accuracy function : Arc cosine, for compound input from three consecutive stack registers : ARCCOS(X × Y + Z) ; returns compound result in X, Y, Z, where Y contains Long integer (0) ; load state file STATE/xfnToRn7user.s#7 to assign XACOS to g[8] (ACOS) in USER mode (Info : Error 31 -- Input data types do not match -- is raised when input contains Complex number (2.0-2.5) ; SBI Σ is displayed during calculation ; displays : Taylor Iter: m/1000; Dig: n/1040, where m is iteration counter, n is number of digits, shown if flag MONIT is SET ; function not available on DM#2 hardware) Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_XFCNS_page_1.pdf			
	XADD	Function (dyadic, XFN)		Menu [XFCNS:1] F3	XFN : Add	Extended accuracy function : Add, for compound input from six consecutive stack registers : (T × A + B) + (X × Y + Z) ; returns compound result in X, Y, Z, where Y contains Long integer (0) ; load state file STATE/xfnToRn7user.s#7 to assign XADD to [+] in USER mode (Info : Error 31 -- Input data types do not match -- is raised when input contains Complex number (2.0-2.5) ; SBI Σ is displayed during calculation ; function not available on DM#2 hardware) Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_XFCNS_page_1.pdf			
	XASIN	Function (monadic, XFN)		Menu [XFCNS:1] gF4	XFN : Arc sine	Extended accuracy function : Arc sine, for compound input from three consecutive stack registers : ARCSIN(X × Y + Z) ; returns compound result in X, Y, Z, where Y contains Long integer (0) ; load state file STATE/xfnToRn7user.s#7 to assign XASIN to g[7] (ASIN) in USER mode (Info : Error 31 -- Input data types do not match -- is raised when input contains Complex number (2.0-2.5) ; SBI Σ is displayed during calculation ; displays : Taylor Iter: m/1000; Dig: n/1040, where m is iteration counter, n is number of digits, shown if flag MONIT is SET ; function not available on DM#2 hardware) Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_XFCNS_page_1.pdf			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	XATAN	Function (monadic, XFN)		Menu [XFCNS.1]gF6	XFN : Arc tangent	Extended accuracy function : Arc tangent, for compound input from three consecutive stack registers : $\text{ARCTAN}(X \times Y + Z)$; returns compound result in X, Y, Z, where Y contains Long integer (0) ; load state file STATE/xfnTorR47user.s47 to assign XATAN to g[9] (ATAN) in USER mode (Info : Error 31 -- Input data types do not match -- is raised when input contains Complex number (2.0-2.5) ; SBI Σ is displayed during calculation ; displays : Taylor Iter: m/1000; Dig: n/1040, where m is iteration counter, n is number of digits, shown if flag MONIT is SET ; function not available on DM42 hardware) Ref : https://r7calc.com/doc/R47/Menus/R47v0_Menu_XFCNS_page_1.pdf			
	XATAN2	Function (dyadic, XFN)		Menu [XFCNS.1]gF3	XFN : Expanded inverse tangent	Extended accuracy function : Expanded inverse tangent, for compound input from six consecutive stack registers : $\text{ARCTAN}((T \times A + B) / (X \times Y + Z))$; returns compound result in X, Y, Z, where Y contains Long integer (0) (Info : Error 31 -- Input data types do not match -- is raised when input contains Complex number (2.0-2.5) ; SBI Σ is displayed during calculation ; displays : Taylor Iter: m/1000; Dig: n/1040, where m is iteration counter, n is number of digits, shown if flag MONIT is SET ; function not available on DM42 hardware) Ref : https://r7calc.com/doc/R47/Menus/R47v0_Menu_XFCNS_page_1.pdf			
	XCHS	Function (monadic, XFN)		Menu [XFCNS.2]fF1	XFN : Change sign	Extended accuracy function : Change sign, for compound input from three consecutive stack registers : $-(X \times Y + Z)$; returns compound result in X, Y, Z, where Y contains Long integer (0) and sign of X and Z is changed ; load state file STATE/xfnTorR47user.s47 to assign XCHS to [CHS] in USER mode (Info : Error 31 -- Input data types do not match -- is raised when input contains Complex number (2.0-2.5) ; SBI Σ is displayed during calculation ; function not available on DM42 hardware) Ref : https://r7calc.com/doc/R47/Menus/R47v0_Menu_XFCNS_page_2.pdf			
	XCOS	Function (monadic, XFN)		Menu [XFCNS.1]fF5	XFN : Cosine	Extended accuracy function : Cosine, for compound input from three consecutive stack registers : $\text{COS}(X \times Y + Z)$; returns compound result in X, Y, Z, where Y contains Long integer (0) ; load state file STATE/xfnTorR47user.s47 to assign XCOS to f[8] (COS) in USER mode (Info : Error 31 -- Input data types do not match -- is raised when input contains Complex number (2.0-2.5) ; SBI Σ is displayed during calculation ; displays : Taylor Iter: m/1000; Dig: n/1040, where m is iteration counter, n is number of digits, shown if flag MONIT is SET ; function not available on DM42 hardware) Ref : https://r7calc.com/doc/R47/Menus/R47v0_Menu_XFCNS_page_1.pdf			
	XDIV	Function (dyadic, XFN)		Menu [XFCNS.1]F6	XFN : Divide	Extended accuracy function : Divide, for compound input from six consecutive stack registers : $(T \times A + B) / (X \times Y + Z)$; returns compound result in X, Y, Z, where Y contains Long integer (0) ; load state file STATE/xfnTorR47user.s47 to assign XDIV to [-] in USER mode (Info : Error 31 -- Input data types do not match -- is raised when input contains Complex number (2.0-2.5) ; SBI Σ is displayed during calculation ; function not available on DM42 hardware) Ref : https://r7calc.com/doc/R47/Menus/R47v0_Menu_XFCNS_page_1.pdf			
	XDRG	Function (monadic, cyclic, nonpgm, XFN)		Menu [XFCNS.1]gF2	XFN : Degrees-radians-gradians	Extended accuracy function : Degrees-radians-gradians, for compound input from three consecutive stack registers : $\text{DRG}(X \times Y + Z)$; returns compound result in X, Y, Z, where Y contains Long integer (0) ; load state file STATE/xfnTorR47user.s47 to assign XDRG to [DRG] in USER mode (Info : Error 31 -- Input data types do not match -- is raised when input contains Complex number (2.0-2.5) ; SBI Σ is displayed during calculation ; function not available on DM42 hardware) Ref : https://r7calc.com/doc/R47/Menus/R47v0_Menu_XFCNS_page_1.pdf			
	X θ^X	Function (monadic, XFN)		Menu [XFCNS.2]fF6	XFN : θ to the power x	Extended accuracy function : θ to the power x, for compound input from three consecutive stack registers : $e^{X \times Y + Z}$; returns compound result in X, Y, Z, where Y contains Long integer (0) ; load state file STATE/xfnTorR47user.s47 to assign X θ^X to f[LN] (e^x) in USER mode (Info : Error 31 -- Input data types do not match -- is raised when input contains Complex number (2.0-2.5) ; SBI Σ is displayed during calculation ; function not available on DM42 hardware) Ref : https://r7calc.com/doc/R47/Menus/R47v0_Menu_XFCNS_page_2.pdf			
	XLN	Function (monadic, XFN)		Menu [XFCNS.2]F6	XFN : Natural logarithm	Extended accuracy function : Natural logarithm, for compound input from three consecutive stack registers : $\text{LN}(X \times Y + Z)$; returns compound result in X, Y, Z, where Y contains Long integer (0) ; load state file STATE/xfnTorR47user.s47 to assign XLN to [LN] in USER mode (Info : Error 31 -- Input data types do not match -- is raised when input contains Complex number (2.0-2.5) ; SBI Σ is displayed during calculation ; function not available on DM42 hardware) Ref : https://r7calc.com/doc/R47/Menus/R47v0_Menu_XFCNS_page_2.pdf			
	XL0G	Function (monadic, XFN)		Menu [XFCNS.2]F5	XFN : Common logarithm	Extended accuracy function : Common logarithm, for compound input from three consecutive stack registers : $\text{LOG}(X \times Y + Z)$; returns compound result in X, Y, Z, where Y contains Long integer (0) ; load state file STATE/xfnTorR47user.s47 to assign XL0G to [LOG] in USER mode (Info : Error 31 -- Input data types do not match -- is raised when input contains Complex number (2.0-2.5) ; SBI Σ is displayed during calculation ; function not available on DM42 hardware) Ref : https://r7calc.com/doc/R47/Menus/R47v0_Menu_XFCNS_page_2.pdf			
	XMOD	Function (dyadic, XFN)		Menu [XFCNS.2]fF2	XFN : Modulo	Extended accuracy function : Modulo, for compound input from six consecutive stack registers : $\text{MOD}((T \times A + B), (X \times Y + Z))$; returns compound result in X, Y, Z, where Y contains Long integer (0) (Info : Error 31 -- Input data types do not match -- is raised when input contains Complex number (2.0-2.5) ; SBI Σ is displayed during calculation ; function not available on DM42 hardware) Ref : https://r7calc.com/doc/R47/Menus/R47v0_Menu_XFCNS_page_2.pdf			
	XMOD $\angle$	Function (dyadic, XFN)		Menu [XFCNS.2]fF3	XFN : Modulo (angle)	Extended accuracy function : Modulo (angle), for compound input from three consecutive stack registers : $\text{MOD}((X \times Y + Z), \langle \text{full circle} \rangle)$, where $\langle \text{full circle} \rangle$ value is derived from angle tag or Angular Display Mode ; returns compound result in X, Y, Z, where Y contains Long integer (0) (Info : Error 31 -- Input data types do not match -- is raised when input contains Complex number (2.0-2.5) ; SBI Σ is displayed during calculation ; function not available on DM42 hardware) Ref : https://r7calc.com/doc/R47/Menus/R47v0_Menu_XFCNS_page_2.pdf			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	XMULT	Function (dyadic, XFN)		Menu [XFCNS.1]F5	XFN : Multiply	Extended accuracy function : Multiply, for compound input from six consecutive stack registers : $(T \times A + B) \times (X \times Y + Z)$; returns compound result in X, Y, Z, where Y contains Long integer (0) ; load state file STATE/xfnTrR47user.s47 to assign XMULT to [x] in USER mode (Info : Error 31 -- Input data types do not match -- is raised when input contains Complex number (2.0-2.5) ; SBI Σ is displayed during calculation ; function not available on DM42 hardware) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_XFCNS_page_1.pdf			
	XPOWER	Function (dyadic, XFN)		Menu [XFCNS.2]F4	XFN : y to the power x	Extended accuracy function : y to the power x, for compound input from six consecutive stack registers : $(T \times A + B)^{X \times Y + Z}$; returns compound result in X, Y, Z, where Y contains Long integer (0) ; load state file STATE/xfnTrR47user.s47 to assign XPOWER to [y ^x] in USER mode (Info : Error 31 -- Input data types do not match -- is raised when input contains Complex number (2.0-2.5) ; SBI Σ is displayed during calculation ; function not available on DM42 hardware) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_XFCNS_page_2.pdf			
	XRDP	Function (monadic, XFN)		Menu [XFCNS.2]gF5	XFN : Round to decimal places	Extended accuracy function : Round real number to number of decimal places, subject to rounding mode (RMODE), for compound input from three consecutive stack registers : $RDP(X \times Y + Z)$; returns compound result in X, Y, Z, where Y contains Long integer (0) (TAM : XRDP ---- TamNonReg menu ; Range is [0, 1034] ; Info : function not available on DM42 hardware) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_XFCNS_page_2.pdf			
	XRSD	Function (monadic, XFN)		Menu [XFCNS.2]gF6	XFN : Round to significant digits	Extended accuracy function : Round real number to number of significant digits, subject to rounding mode (RMODE), for compound input from three consecutive stack registers : $RSD(X \times Y + Z)$; returns compound result in X, Y, Z, where Y contains Long integer (0) (TAM : XRSD ---- TamNonReg menu ; Range is [0, 1034] ; Info : function not available on DM42 hardware) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_XFCNS_page_2.pdf			
	XSIN	Function (monadic, XFN)		Menu [XFCNS.1]fF4	XFN : Sine	Extended accuracy function : Sine, for compound input from three consecutive stack registers : $SIN(X \times Y + Z)$; returns compound result in X, Y, Z, where Y contains Long integer (0) ; load state file STATE/xfnTrR47user.s47 to assign XSIN to f[7] (SIN) in USER mode (Info : Error 31 -- Input data types do not match -- is raised when input contains Complex number (2.0-2.5) ; SBI Σ is displayed during calculation ; displays : Taylor Iter: m/1000; Dig: n/1040, where m is iteration counter, n is number of digits, shown if flag MONIT is SET ; function not available on DM42 hardware) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_XFCNS_page_1.pdf			
	XSQR	Function (monadic, XFN)		Menu [XFCNS.2]F1	XFN : Square	Extended accuracy function : Square, for compound input from three consecutive stack registers : $(X \times Y + Z)^2$; returns compound result in X, Y, Z, where Y contains Long integer (0) ; load state file STATE/xfnTrR47user.s47 to assign XSQR to [x ²] in USER mode (Info : Error 31 -- Input data types do not match -- is raised when input contains Complex number (2.0-2.5) ; SBI Σ is displayed during calculation ; function not available on DM42 hardware) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_XFCNS_page_2.pdf			
	XSQRT	Function (monadic, XFN)		Menu [XFCNS.2]F2	XFN : Square root	Extended accuracy function : Square root, for compound input from three consecutive stack registers : $\sqrt{X \times Y + Z}$; returns compound result in X, Y, Z, where Y contains Long integer (0) ; load state file STATE/xfnTrR47user.s47 to assign XSQRT to [$\sqrt{x}$] in USER mode (Info : Error 31 -- Input data types do not match -- is raised when input contains Complex number (2.0-2.5) ; SBI Σ is displayed during calculation ; function not available on DM42 hardware) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_XFCNS_page_2.pdf			
	XSUB	Function (dyadic, XFN)		Menu [XFCNS.1]F4	XFN : Subtract	Extended accuracy function : Subtract, for compound input from six consecutive stack registers : $(T \times A + B) - (X \times Y + Z)$; returns compound result in X, Y, Z, where Y contains Long integer (0) ; load state file STATE/xfnTrR47user.s47 to assign XSUB to [-] in USER mode (Info : Error 31 -- Input data types do not match -- is raised when input contains Complex number (2.0-2.5) ; SBI Σ is displayed during calculation ; function not available on DM42 hardware) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_XFCNS_page_1.pdf			
	XTAN	Function (monadic, XFN)		Menu [XFCNS.1]fF6	XFN : Tangent	Extended accuracy function : Tangent, for compound input from three consecutive stack registers : $TAN(X \times Y + Z)$; returns compound result in X, Y, Z, where Y contains Long integer (0) ; load state file STATE/xfnTrR47user.s47 to assign XTAN to f[8] (TAN) in USER mode (Info : Error 31 -- Input data types do not match -- is raised when input contains Complex number (2.0-2.5) ; SBI Σ is displayed during calculation ; displays : Taylor Iter: m/1000; Dig: n/1040, where m is iteration counter, n is number of digits, shown if flag MONIT is SET ; function not available on DM42 hardware) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_XFCNS_page_1.pdf			
	XXRTY	Function (dyadic, XFN)		Menu [XFCNS.2]fF4	XFN : xth root	Extended accuracy function : xth root, for compound input from six consecutive stack registers : $\sqrt[x]{X \times Y + Z}$; returns compound result in X, Y, Z, where Y contains Long integer (0) ; load state file STATE/xfnTrR47user.s47 to assign XXRTY to f[y ^x] (X ^y) in USER mode (Info : Error 31 -- Input data types do not match -- is raised when input contains Complex number (2.0-2.5) ; SBI Σ is displayed during calculation ; function not available on DM42 hardware) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_XFCNS_page_2.pdf			
	X π	Command (XFN)		Menu [XFCNS.1]fF3	XFN : pi	Extended accuracy command : X π , to push π onto the stack as a Virtual compound data type triplet with factor 1 of $1. \times 10^{-999}$ in X, factor 2 of 1000 digits of π as 0/1.0 ; 0/1.0) ; Long integer in Y and term of 0. in Z ; load state file STATE/xfnTrR47user.s47 to assign X π to f[R+] (n) in USER mode (Info : SBI Σ is displayed during calculation ; function not available on DM42 hardware) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_XFCNS_page_1.pdf			
Financial	%	Function (dyadic)		Menu [FIN.1]F3	Percent	X Percent of Y, keeping Y on stack -- see Formula_PC.png : https://r7calc.com/doc/Images/Formula_PC.png Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_FIN_page_1.pdf			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
				Menu [MyM.3] F1	Percent	X Percent of Y, keeping Y on stack -- see Formula_PC.png : https://47calc.com/doc/Images/Formula_PC.png Ref : https://47calc.com/doc/RN7/Menu/RN7v0_Menu_MyMenu_page_3.pdf			
				Menu [MyM.7] F3	Percent	X Percent of Y, keeping Y on stack -- see Formula_PC.png : https://47calc.com/doc/Images/Formula_PC.png Ref : https://47calc.com/doc/RN7/Menu/RN7v0_Menu_MyMenu_page_7.pdf			
	%	Function (dyadic)		Keyboard f [RCL]	Percent	X Percent of Y, keeping Y on stack -- see Formula_PC.png : https://47calc.com/doc/Images/Formula_PC.png Ref : https://47calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_3.pdf			
	%	Function (dyadic)		Keyboard longpress [RCL]	Percent	X Percent of Y, keeping Y on stack -- see Formula_PC.png : https://47calc.com/doc/Images/Formula_PC.png Ref : https://47calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_3.pdf			
	%+MG	Function (dyadic)		Menu [FIN.1] F5	Sales price having margin	Find sales price having margin of X percent over cost Y : %MG = $Y / (1 - X/100)$ -- see Formula_PCPMG.png : https://47calc.com/doc/Images/Formula_PCPMG.png (Info : Margin is percentage of sales price) Ref : https://47calc.com/doc/RN7/Menu/RN7v0_Menu_FIN_page_1.pdf			
				Menu [MyM.7] F1	Sales price having margin	Find sales price having margin of X percent over cost Y : %MG = $Y / (1 - X/100)$ -- see Formula_PCPMG.png : https://47calc.com/doc/Images/Formula_PCPMG.png (Info : Margin is percentage of sales price) Ref : https://47calc.com/doc/RN7/Menu/RN7v0_Menu_MyMenu_page_7.pdf			
	%MRR	Command		Menu [FIN.1] F6	Mean rate of return	Mean rate of return in percentage per period : %MRR = $100 \times (x/y - 1)^{1/2}$ -- see Formula_PCMRR.png : https://47calc.com/doc/Images/Formula_PCMRR.png (TI : % :) Ref : https://47calc.com/doc/RN7/Menu/RN7v0_Menu_FIN_page_1.pdf			
	%T	Function (dyadic)		Menu [FIN.1] F2	Percentage of total	Percentage of total, keeping Y on stack -- see Formula_PCT.png : https://47calc.com/doc/Images/Formula_PCT.png (TI : % :) Ref : https://47calc.com/doc/RN7/Menu/RN7v0_Menu_FIN_page_1.pdf			
				Menu [MyM.7] F2	Percentage of total	Percentage of total, keeping Y on stack -- see Formula_PCT.png : https://47calc.com/doc/Images/Formula_PCT.png (TI : % :) Ref : https://47calc.com/doc/RN7/Menu/RN7v0_Menu_MyMenu_page_7.pdf			
	%Σ	Function (monadic)		Menu [FIN.1] gF2	Percentage of sum	Percentage of x to Xx : %Σ = $100 \times x / Xx$ -- see Formula_PCSIGMA.png : https://47calc.com/doc/Images/Formula_PCSIGMA.png (TI : % :) Ref : https://47calc.com/doc/RN7/Menu/RN7v0_Menu_FIN_page_1.pdf			
	%Σ,Δ%Σ ₁	Function (monadic)		Menu [FIN.1] gF3	Pct of sum and delta pct to mean	Percentage of x to Xx and delta percentage to mean using statistics matrix (STATS) (TI : Δ% : % :) Ref : https://47calc.com/doc/RN7/Menu/RN7v0_Menu_FIN_page_1.pdf			
	>RCLcp/a<	Command (old)			Get TVM compounding periods	Old version of the command to get TVM compounding periods per annum (Info : May be found in older user programs and raises Error 56 -- Function has changed, please replace ; use RCL to get value of TVM compounding periods on [TVM.1] fF6 instead)			
	>RCLFV<	Command (old)			Get TVM future value	Old version of the command to get TVM future value (TI : May be found in older user programs and raises Error 56 -- Function has changed, please replace ; use RCL to get value of TVM future value on [TVM.1] F5 instead)			
	>RCLi/a<	Command (old)			Get TVM annual interest rate	Old version of the command to get TVM annual interest rate (percentage) (TI : May be found in older user programs and raises Error 56 -- Function has changed, please replace ; use RCL to get value of TVM annual interest rate on [TVM.1] F2 instead)			
	>RCLn<	Command (old)			Get TVM number of payments	Old version of the command to get TVM number of payments (TI : May be found in older user programs and raises Error 56 -- Function has changed, please replace ; use RCL to get value of TVM number of payments on [TVM.1] F1 instead)			
	>RCLPMT<	Command (old)			Get TVM payment	Old version of the command to get TVM payment (TI : May be found in older user programs and raises Error 56 -- Function has changed, please replace ; use RCL to get value of TVM payment on [TVM.1] F4 instead)			
	>RCLpp/a<	Command (old)			Get TVM payment period	Old version of the command to get TVM payment period per annum (TI : May be found in older user programs and raises Error 56 -- Function has changed, please replace ; use RCL to get value of TVM payment period on [TVM.1] F6 instead)			
	>RCLPV<	Command (old)			Get TVM present value	Old version of the command to get TVM present value (TI : May be found in older user programs and raises Error 56 -- Function has changed, please replace ; use RCL to get value of TVM present value on [TVM.1] F3 instead)			
	BAL	Command		Menu [AMORT.1] F5	Balance	Outstanding loan balance immediately after payment P2 is applied (TI : Balance remaining =) Ref : https://47calc.com/doc/RN7/Menu/RN7v0_Menu_AMORT_page_1.pdf			
	EFF%I/a	Function (monadic)		Menu [TVM.1] fF2	Nominal TVM annual rate	Calculate Nominal TVM annual rate from the Effective TVM annual rate in X and copy value to I/a (variable I%/a) -- see Formula_EFFTOL.png : https://47calc.com/doc/Images/Formula_EFFTOL.png (TI : I%/a = I%YR = NAR =) Ref : https://47calc.com/doc/RN7/Menu/RN7v0_Menu_TVM_page_1.pdf			
	I%EFF/a	Function (monadic)		Menu [TVM.1] fF3	Effective TVM annual rate	Calculate Effective TVM annual rate from the TVM annual interest rate in I/a (variable I%/a) -- see Formula_ITOEFF.png : https://47calc.com/doc/Images/Formula_ITOEFF.png (TI : EFF%/a = EFF%YR = EAR =) Ref : https://47calc.com/doc/RN7/Menu/RN7v0_Menu_TVM_page_1.pdf			
	NEXT (NXTPER)	Command		Menu [AMORT.1] F6	Step forward	Step the window forward : P1 ← P1 + <window size>, P2 ← P2 + <window size> Ref : https://47calc.com/doc/RN7/Menu/RN7v0_Menu_AMORT_page_1.pdf			
	P1 ₁	Command	1	Menu [AMORT.1] F1	First payment number	Set first payment number in the range (integer, 1 ≤ P1 ≤ n) (TI : From period P1 :) Ref : https://47calc.com/doc/RN7/Menu/RN7v0_Menu_AMORT_page_1.pdf			
	P2 ₁₂	Command	12	Menu [AMORT.1] F2	Last Payment number	Set last payment number in the range (integer, P1 ≤ P2 ≤ n) (TI : To period P2 :) Ref : https://47calc.com/doc/RN7/Menu/RN7v0_Menu_AMORT_page_1.pdf			
	Δ%	Function (dyadic)		Menu [FIN.1] F4	Delta percent	Delta percentage from Y to X, keeping Y on stack -- see Formula_DELTAPC.png : https://47calc.com/doc/Images/Formula_DELTAPC.png (TI : Δ% :) Ref : https://47calc.com/doc/RN7/Menu/RN7v0_Menu_FIN_page_1.pdf			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
				Menu [MyM.3] F2	Delta percent	Delta percentage from Y to X, keeping Y on stack -- see Formula_DELTA%PC.png : https://r7calc.com/doc/Images/Formula_DELTA%PC.png (TI : Δ% :) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_MyMenu_page_3.pdf			
				Menu [MyM.7] F4	Delta percent	Delta percentage from Y to X, keeping Y on stack -- see Formula_DELTA%PC.png : https://r7calc.com/doc/Images/Formula_DELTA%PC.png (TI : Δ% :) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_MyMenu_page_7.pdf			
				Menu [BLUE7.1] F2	Delta percent	Delta percentage from Y to X, keeping Y on stack -- see Formula_DELTA%PC.png : https://r7calc.com/doc/Images/Formula_DELTA%PC.png (TI : Δ% :) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_BLUE7_page_1.pdf			
	Δ%	Function (dyadic)		Keyboard g[RCL]	Delta percent	Delta percentage from Y to X, keeping Y on stack -- see Formula_DELTA%PC.png : https://r7calc.com/doc/Images/Formula_DELTA%PC.png (TI : Δ% :) Ref : https://r7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_3.pdf			
	Δ%	Function (dyadic)		Keyboard longerpress [RCL]	Delta percent	Delta percentage from Y to X, keeping Y on stack -- see Formula_DELTA%PC.png : https://r7calc.com/doc/Images/Formula_DELTA%PC.png (TI : Δ% :) Ref : https://r7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_3.pdf			
	Δ% $\bar{x}_1$	Function (monadic)		Menu [FIN.1] gF4	Delta percentage to mean	Delta percentage from $\bar{x}$ to x using statistics matrix (STATS) -- see Formula_DPCMEAN.png : https://r7calc.com/doc/Images/Formula_DPCMEAN.png (TI : Δ% :) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_FIN_page_1.pdf			
	ΣINT	Command		Menu [AMORT.1] F3	Sum of interest	Total interest paid across payments P1 through P2, inclusive (TI : Σ of interest to P2 =) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_AMORT_page_1.pdf			
	ΣPRN	Command		Menu [AMORT.1] F4	Sum of principal	Total principal paid across payments P1 through P2, inclusive (TI : Σ of principal to P2 =) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_AMORT_page_1.pdf			
	$\bar{x}_1$	Command		Menu [FIN.1] fF4	Arithmetic means, x only	Arithmetic means, x only (TI : $\bar{x}$ =) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_FIN_page_1.pdf			
Fixed pair conversions	dB↔fld	Function (monadic, linked)		Menu [Misc.1] F6	dB to fld	Convert decibel to field ratio (TI : fld) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_Misc_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	dB↔pur	Function (monadic, linked)		Menu [Misc.1] fF6	dB to pur	Convert decibel to power ratio (TI : pur) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_Misc_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	fld↔dB	Function (monadic, linked)		Menu [Misc.1] F5	fld to dB	Convert field ratio to decibel (TI : dB) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_Misc_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	HMS↔HR	Function (monadic, linked)		Menu [Misc.1] F1	HMS to HR	Convert sexagesimal format hours to decimal hours (TI : decimal h ; Ref : https://r7calc.com/doc/Application%20Notes/AN0019_C47_JM_dms_hms_and_ms.pdf) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_Misc_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	HR↔HMS	Function (monadic, linked)		Menu [Misc.1] F2	HR to HMS	Convert decimal hours to sexagesimal format hours (TI : hh:mm:ss ; Ref : https://r7calc.com/doc/Application%20Notes/AN0019_C47_JM_dms_hms_and_ms.pdf) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_Misc_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	in ⁴ ↔mm ⁴	Function (monadic, linked)		Menu [SecPrp.1] fF5	in ⁴ to mm ⁴	Convert inch to the power 4 to millimetre to the power 4 (TI : mm ⁴) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_SecPrp_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	in ⁶ ↔mm ⁶	Function (monadic, linked)		Menu [SecPrp.1] gF5	in ⁶ to mm ⁶	Convert inch to the power 6 to millimetre to the power 6 (TI : mm ⁶) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_SecPrp_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	kg/m↔lbs/ft	Function (monadic, linked)		Menu [SecPrp.1] F2	kg/m to lbs/ft	Convert kilogram per metre to pound per foot (TI : lbs/ft) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_SecPrp_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	lbs/ft↔kg/m	Function (monadic, linked)		Menu [SecPrp.1] F1	lbs/ft to kg/m	Convert pound per foot to kilogram per metre (TI : kg/m) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_SecPrp_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	mm ⁴ ↔in ⁴	Function (monadic, linked)		Menu [SecPrp.1] fF6	mm ⁴ to in ⁴	Convert millimetre to the power 4 to inch to the power 4 (TI : in ⁴) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_SecPrp_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	mm ⁶ ↔in ⁶	Function (monadic, linked)		Menu [SecPrp.1] gF6	mm ⁶ to in ⁶	Convert millimetre to the power 6 to inch to the power 6 (TI : in ⁶) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_SecPrp_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	pur↔dB	Function (monadic, linked)		Menu [Misc.1] fF5	pur to dB	Convert power ratio to decibel (TI : dB) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_Misc_page_1.pdf	CONV _{HP}	SET	<no annunciator>
Force conversions	kgf↔lbf	Function (monadic, linked)		Menu [FLoads.1] fF4	kgf to lbf	Convert kilogram force to pound force (TI : lbf) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_FLoads_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	kgf↔N	Function (monadic, linked)		Menu [FLoads.1] gF3	kgf to N	Convert kilogram force to Newton (TI : N) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_FLoads_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	lbf↔kgf	Function (monadic, linked)		Menu [FLoads.1] fF3	lbf to kgf	Convert pound force to kilogram force (TI : kgf) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_FLoads_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	lbf↔N	Function (monadic, linked)		Menu [F&p.1] F5	lbf to N	Convert pound force to Newton (TI : N) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_F-and-p_page_1.pdf	CONV _{HP}	SET	<no annunciator>
				Menu [FLoads.1] F3	lbf to N	Convert pound force to Newton (TI : N) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_FLoads_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	N↔kgf	Function (monadic, linked)		Menu [FLoads.1] gF4	N to kgf	Convert Newton to kilogram force (TI : kgf) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_FLoads_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	N↔lbf	Function (monadic, linked)		Menu [F&p.1] F6	N to lbf	Convert Newton to pound force (TI : lbf) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_F-and-p_page_1.pdf	CONV _{HP}	SET	<no annunciator>
				Menu [FLoads.1] F4	N to lbf	Convert Newton to pound force (TI : lbf) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_FLoads_page_1.pdf	CONV _{HP}	SET	<no annunciator>
Fractions	DMX#	Command	64	Menu [INFO.3] F5	Get max denominator for fractions	Get max denominator for fractions ; set interactively from menu DISP (DMX TAM variant) and from menu [INFO.3] fF5 (DMXX) (Info : Range is [2, 9999] or 0, indicating DMXmax = 32500 ; SBI is shown if flag SBfrac is SET) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_INFO_page_3.pdf			
	DMX ₆₄	Command	64	Menu [INFO.3] fF5	Set max denominator for fractions	Set max denominator for fractions to value in X ; maximum value of 32500 is set by value 0 in X, stored as 0 and displayed as DMX ₀ ; also set interactively from menu DISP (DMX TAM variant) (Info : Range is [2, 9999] or 0, indicating DMXmax = 32500 ; SBI is shown if flag SBfrac is SET) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_INFO_page_3.pdf			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	FDIGS#	Command	34	Menu [INFO.2] fF4	Get significant digits for fractions	Get the number of significant digits (1-34) used by the approximations of the fraction modes (Info : Set by FDIGS) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_INFO_page_2.pdf			
	FP	Function (monadic)		Menu [REAL.1] F2	Fractional Part	Fractional Part of real number (Shortcut : #TAM [LN] (F) for closed number) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_REAL_page_1.pdf			
				Menu [HOME.1] gF1	Fractional Part	Fractional Part of real number (Shortcut : #TAM [LN] (F) for closed number) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_HOME_page_1.pdf			
	FP	Function (monadic)		Keyboard #TAM [LN]	Fractional Part	Fractional Part of real number (Shortcut : #TAM [LN] (F) for closed number) Ref : https://n7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_2.pdf			
	IP	Function (monadic)		Menu [REAL.1] F1	Integer Part	Integer Part of number (returns Real number) (Shortcut : #TAM [R4] (I) for closed number) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_REAL_page_1.pdf			
				Menu [HOME.1] gF2	Integer Part	Integer Part of number (returns Real number) (Shortcut : #TAM [R4] (I) for closed number) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_HOME_page_1.pdf			
	IP	Function (monadic)		Keyboard #TAM [R4]	Integer Part	Integer Part of number (returns Real number) (Shortcut : #TAM [R4] (I) for closed number) Ref : https://n7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_3.pdf			
Fuel economy conversions	km/ℓ→ℓ/100km	Function (monadic, linked)		Menu [Ymmv.1] F2	km/ℓ to ℓ/100km	Convert kilometre per litre to litre per 100 kilometre (TI : ℓ/100km) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Ymmv_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	ℓ/100km→km/ℓ	Function (monadic, linked)		Menu [Ymmv.1] F1	ℓ/100km to km/ℓ	Convert litre per 100 kilometre to kilometre per litre (TI : km/ℓ) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Ymmv_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	ℓ/100km→mpg _{UK}	Function (monadic, linked)		Menu [Ymmv.1] gF1	ℓ/100km to mpg _{UK}	Convert litre per 100 kilometre to mile per gallon UK (TI : mpg _{UK}) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Ymmv_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	ℓ/100km→mpg _{US}	Function (monadic, linked)		Menu [Ymmv.1] ff1	ℓ/100km to mpg _{US}	Convert litre per 100 kilometre to mile per gallon US (TI : mpg _{US}) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Ymmv_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	mpg _{UK} →ℓ/100km	Function (monadic, linked)		Menu [Ymmv.1] gF2	mpg _{UK} to ℓ/100km	Convert mile per gallon UK to litre per 100 kilometre (TI : ℓ/100km) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Ymmv_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	mpg _{US} →ℓ/100km	Function (monadic, linked)		Menu [Ymmv.1] ff2	mpg _{US} to ℓ/100km	Convert mile per gallon US to litre per 100 kilometre (TI : ℓ/100km) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Ymmv_page_1.pdf	CONV _{HP}	SET	<no annunciator>
Information	LSTERR	Command		Menu [INFO.1] F2	Last error	Retain error code of last function or command executed ; returns 0 for no error (Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Errors_and_messages.pdf ; Info : returns error code even when IGNIER (ignore one error) is SET) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_INFO_page_1.pdf			
	TYPE	Command		Menu [INFO.2] F1	Data type	Get datatype of value in X, expressed as a numeric typecode m.nop, where m : 0-9 ; n : 0-5 or 2-16 ; o : 0-4 ; p : 0-2 (TI : <type> ; Info : note that some datatypes have subcodes ; Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Datatypes.pdf) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_INFO_page_2.pdf			
Input-Output	BEEP	Command		Menu [AUDIO.1] F1	Beep	Play beep sound (4 tones) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_AUDIO_page_1.pdf			
	BUZZ	Command (HW)		Menu [AUDIO.1] F3	Buzzer	Play sound with frequency Y in Hz (0 = silent) and duration X in ms (max 2000) ; hardware only (Info : Error 126 -- Not available on the simulator -- is raised when this command is performed on the simulator) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_AUDIO_page_1.pdf			
	EXPItr	Command		Menu [I/O.2] F3	Export lettered registers	Export lettered registers A-Z to text data file (.d47) in FAT (Info : DMCP : File save dialog ("Export Register File" -- DATA/) ; TI : Data file saved) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_I-O_page_2.pdf			
	EXPnrg	Command		Menu [I/O.2] F4	Export n registers	Export n registers starting with R00 to text data file (.d47) in FAT (TAM : EXPnrg ___ TamNonReg menu ; Info : DMCP : File save dialog ("Export Register File" -- DATA/) ; TI : Data file saved) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_I-O_page_2.pdf			
	EXPreg	Command		Menu [I/O.2] F1	Export register or variable	Export register or variable to text data file (.d47) in FAT (TAM : EXPreg ___ Tam menu ; Info : DMCP : File save dialog ("Export Register File" -- DATA/) ; TI : Data file saved) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_I-O_page_2.pdf			
	EXPatk	Command		Menu [I/O.2] F2	Export stack	Export stack (8 or 4 registers, depending on flag SSIZE8) to text data file (.d47) in FAT (Info : DMCP : File save dialog ("Export Register File" -- DATA/) ; TI : Data file saved) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_I-O_page_2.pdf	SSIZE8	SET	8 ; 4
	EXPxfnx	Command		Menu [I/O.2] F5	Export XFN	Export value of virtual compound data type in XYZ to text data file (.d47) in FAT (Info : DMCP : File save dialog ("Export Register File" -- DATA/) ; TI : Data file saved) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_I-O_page_2.pdf			
	IMPORTr	Command		Menu [I/O.2] F6	Import registers	Import registers from text data file (.d47), to destination address specified in the file (Info : DMCP : File open dialog ("Import Register File" -- DATA/) ; TI : Data file loaded ; Ref : https://n7calc.com/doc/Application%20Notes/AN0025_C47_R47_IM_d47_fileformat.pdf) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_I-O_page_2.pdf			
	LOAD	Command (nonpgm)		Menu [I/O.1] ff3	Load full backup	Load full backup from SAVE file SAVFILES/RN7.sav in FAT and auto-clear USER mode ; key assignments will be ignored when loading from a backup file created on a different model (C47 versus R47 and vice versa) (TI : Backup restored + <version info> ; Directory : SAVFILES/) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_I-O_page_1.pdf			
				Menu [MyML4] F4	Load full backup	Load full backup from SAVE file SAVFILES/RN7.sav in FAT and auto-clear USER mode ; key assignments will be ignored when loading from a backup file created on a different model (C47 versus R47 and vice versa) (TI : Backup restored + <version info> ; Directory : SAVFILES/) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_MyMenu_page_4.pdf			
	LOADP	Command (nonpgm)		Menu [I/O.1] F4	Load programs	Load programs from SAVE file SAVFILES/RN7.sav in FAT (TI : Programs and equations loaded ; appended ; Directory : SAVFILES/) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_I-O_page_1.pdf			
	LOADR	Command (nonpgm)		Menu [I/O.1] F5	Load registers	Load registers from SAVE file SAVFILES/RN7.sav in FAT (TI : Global and local registers loaded ; /w/ local flags ; Directory : SAVFILES/) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_I-O_page_1.pdf			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	LOADSS	Command (nonpgm)		Menu [I/0.1] fF5	Load system state	Load system state from SAVE file SAVFILES/R47.sav in FAT (TI : System settings loaded ; Directory : SAVFILES/) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_I-0_page_1.pdf			
	LOADST	Command (nonpgm)		Menu [I/0.1] fF2	Load state	Load state from SAVEST backup file (.s47) in FAT and clear USER mode ; if full state, presenting "WARNING: Current calculator state will be lost. Press [ENTER] to confirm." ; key assignments will be ignored when loading from a state file created on a different model (C47 versus R47 and vice versa) (TI : Loading state file ... ; State file loaded ; DMCP File open dialog ("Load Calculator State" -- STATE/)) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_I-0_page_1.pdf			
				Menu [MyM4] F6	Load state	Load state from SAVEST backup file (.s47) in FAT and clear USER mode ; if full state, presenting "WARNING: Current calculator state will be lost. Press [ENTER] to confirm." ; key assignments will be ignored when loading from a state file created on a different model (C47 versus R47 and vice versa) (TI : Loading state file ... ; State file loaded ; DMCP File open dialog ("Load Calculator State" -- STATE/)) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MyMenu_page_4.pdf			
				Menu [MyM8] F6	Load state	Load state from SAVEST backup file (.s47) in FAT and clear USER mode ; if full state, presenting "WARNING: Current calculator state will be lost. Press [ENTER] to confirm." ; key assignments will be ignored when loading from a state file created on a different model (C47 versus R47 and vice versa) (TI : Loading state file ... ; State file loaded ; DMCP File open dialog ("Load Calculator State" -- STATE/)) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MyMenu_page_8.pdf			
	LOADV	Command (nonpgm)		Menu [I/0.1] F6	Load variables	Load variables from SAVE file SAVFILES/R47.sav in FAT (TI : User variables loaded ; Directory : SAVFILES/) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_I-0_page_1.pdf			
	LOADΣ	Command (nonpgm)		Menu [I/0.1] fF4	Load Sigma registers	Load Sigma registers from SAVE file SAVFILES/R47.sav in FAT (TI : Loading stats ... ; Statistical data loaded ; Directory : SAVFILES/) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_I-0_page_1.pdf			
	PLAY	Command (HW)		Menu [AUDI0.1] F4	Play (BUZZ) sounds	Play (BUZZ) sounds using input from nx3 or nx2 matrix variable having rows : [frequency, duration, volume] (Hz, ms, volume element is optional) ; hardware only (TAM : PLAY __ TamLabel menu ; Info : Error 126 -- Not available on the simulator -- is raised when this command is performed on the simulator) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_AUDI0_page_1.pdf			
	READP	Command		Menu [I/0.1] fF1	Read/load program	Read/load program from WRITPE backup file (.p47) in FAT (TI : Program file loaded ; DMCP File open dialog ("Load Program" -- PROGRAMS/)) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_I-0_page_1.pdf			
				Menu [MyM8] F4	Read/load program	Read/load program from WRITPE backup file (.p47) in FAT (TI : Program file loaded ; DMCP File open dialog ("Load Program" -- PROGRAMS/)) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MyMenu_page_8.pdf			
	SAVE	Command (nonpgm)		Menu [I/0.1] F3	Save full backup	Save full backup to file SAVFILES/R47.sav in FAT (TI : Saved ; Directory : SAVFILES/) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_I-0_page_1.pdf			
				Menu [MyM4] F3	Save full backup	Save full backup to file SAVFILES/R47.sav in FAT (TI : Saved ; Directory : SAVFILES/) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MyMenu_page_4.pdf			
	SAVEAUT	Command (nonpgm, HW)		Menu [I/0.1] gF3	Save autoloading file	Save autoloading file to file SAVFILES/R47auto.sav in FAT ; hardware only (TI : Saved ; Directory : SAVFILES/ ; Info : Error 126 -- Not available on the simulator -- is raised when this command is performed on the simulator) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_I-0_page_1.pdf			
	SAVEST	Command (nonpgm)		Menu [I/0.1] F2	Save full state file	Save backup file (.s47) in FAT for LOADST ; the state file contains the complete state of the calculator: all memory content (registers, variables, programs, equations), all user assignments (key assignments, user menus) and all settings (TI : Saving state file ... ; Saved ; DMCP File save dialog ("Save Calculator State" -- STATE/)) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_I-0_page_1.pdf			
				Menu [MyM4] F5	Save full state file	Save backup file (.s47) in FAT for LOADST ; the state file contains the complete state of the calculator: all memory content (registers, variables, programs, equations), all user assignments (key assignments, user menus) and all settings (TI : Saving state file ... ; Saved ; DMCP File save dialog ("Save Calculator State" -- STATE/)) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MyMenu_page_4.pdf			
				Menu [MyM8] F5	Save full state file	Save backup file (.s47) in FAT for LOADST ; the state file contains the complete state of the calculator: all memory content (registers, variables, programs, equations), all user assignments (key assignments, user menus) and all settings (TI : Saving state file ... ; Saved ; DMCP File save dialog ("Save Calculator State" -- STATE/)) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MyMenu_page_8.pdf			
	SNAP	Command		Menu [I/0.1] gF5	Screenshot	Save screenshot to backup file (.bmp) and save contents of stack or alpha buffer as backup file (.REGS.TSV) in FAT ; plays clicking sound (Shortcut : [Cf+] + [CHS] (DMCP-shortcut for screenshot bitmap only) ; longpress [EXIT] ; NIM long [EXIT] ; PEM longer [EXIT] ; Info : screenshot is saved in file SCREENS/<YYYYMMDD-HHMMSS00>.bmp ; SNAP also appends data to file DATA/<YYYYMMDD-HHMMSS00>.REGS.TSV ; new datafile after timeout of 2 minutes) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_I-0_page_1.pdf			
				Menu [BLUE47.2] F1	Screenshot	Save screenshot to backup file (.bmp) and save contents of stack or alpha buffer as backup file (.REGS.TSV) in FAT ; plays clicking sound (Shortcut : [Cf+] + [CHS] (DMCP-shortcut for screenshot bitmap only) ; longpress [EXIT] ; NIM long [EXIT] ; PEM longer [EXIT] ; Info : screenshot is saved in file SCREENS/<YYYYMMDD-HHMMSS00>.bmp ; SNAP also appends data to file DATA/<YYYYMMDD-HHMMSS00>.REGS.TSV ; new datafile after timeout of 2 minutes) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_BLUE47_page_2.pdf			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
				Menu [Draw ^α (PLFUNC).2] gF2	Screenshot	Save screenshot to backup file (.bmp) and save contents of stack or alpha buffer as backup file (.REGS.TSV) in FAT ; plays clicking sound (Shortcut : [<f>] + [CHS] (DMCP-shortcut for screenshot bitmap only); longpress [EXIT]; NIM long [EXIT]; PEM longer [EXIT] ; Info : screenshot is saved in file SCREENS/<YYYYMMDD-HHMMSS00>.bmp ; SNAP also appends data to file DATA/<YYYYMMDD-HHMMSS00>.REGS.TSV ; new datafile after timeout of 2 minutes) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_DrawYX_page_2.pdf			
				Menu [Draw (PLFUNC).2] gF2	Screenshot	Save screenshot to backup file (.bmp) and save contents of stack or alpha buffer as backup file (.REGS.TSV) in FAT ; plays clicking sound (Shortcut : [<f>] + [CHS] (DMCP-shortcut for screenshot bitmap only); longpress [EXIT]; NIM long [EXIT]; PEM longer [EXIT] ; Info : screenshot is saved in file SCREENS/<YYYYMMDD-HHMMSS00>.bmp ; SNAP also appends data to file DATA/<YYYYMMDD-HHMMSS00>.REGS.TSV ; new datafile after timeout of 2 minutes) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Draw_page_2.pdf			
				Menu [PLSTAT.2] gF2	Screenshot	Save screenshot to backup file (.bmp) and save contents of stack or alpha buffer as backup file (.REGS.TSV) in FAT ; plays clicking sound (Shortcut : [<f>] + [CHS] (DMCP-shortcut for screenshot bitmap only); longpress [EXIT]; NIM long [EXIT]; PEM longer [EXIT] ; Info : screenshot is saved in file SCREENS/<YYYYMMDD-HHMMSS00>.bmp ; SNAP also appends data to file DATA/<YYYYMMDD-HHMMSS00>.REGS.TSV ; new datafile after timeout of 2 minutes) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_PLSTAT_page_2.pdf			
				Menu [HOME.1] fF3	Screenshot	Save screenshot to backup file (.bmp) and save contents of stack or alpha buffer as backup file (.REGS.TSV) in FAT ; plays clicking sound (Shortcut : [<f>] + [CHS] (DMCP-shortcut for screenshot bitmap only); longpress [EXIT]; NIM long [EXIT]; PEM longer [EXIT] ; Info : screenshot is saved in file SCREENS/<YYYYMMDD-HHMMSS00>.bmp ; SNAP also appends data to file DATA/<YYYYMMDD-HHMMSS00>.REGS.TSV ; new datafile after timeout of 2 minutes) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_HOME_page_1.pdf			
				Menu [PLTFCNS (PLFUNC).2] gF2	Screenshot	Save screenshot to backup file (.bmp) and save contents of stack or alpha buffer as backup file (.REGS.TSV) in FAT ; plays clicking sound (Shortcut : [<f>] + [CHS] (DMCP-shortcut for screenshot bitmap only); longpress [EXIT]; NIM long [EXIT]; PEM longer [EXIT] ; Info : screenshot is saved in file SCREENS/<YYYYMMDD-HHMMSS00>.bmp ; SNAP also appends data to file DATA/<YYYYMMDD-HHMMSS00>.REGS.TSV ; new datafile after timeout of 2 minutes) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_PLTFCNS_page_2.pdf			
	SNAP	Command		Keyboard alpha g [EXIT]	Screenshot	Save screenshot to backup file (.bmp) and save contents of stack or alpha buffer as backup file (.REGS.TSV) in FAT ; plays clicking sound (Shortcut : [<f>] + [CHS] (DMCP-shortcut for screenshot bitmap only); longpress [EXIT]; NIM long [EXIT]; PEM longer [EXIT] ; Info : screenshot is saved in file SCREENS/<YYYYMMDD-HHMMSS00>.bmp ; SNAP also appends data to file DATA/<YYYYMMDD-HHMMSS00>.REGS.TSV ; new datafile after timeout of 2 minutes) Ref : https://r7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_8.pdf			
	SNAP	Command		Keyboard longpress [EXIT]	Screenshot	Save screenshot to backup file (.bmp) and save contents of stack or alpha buffer as backup file (.REGS.TSV) in FAT ; plays clicking sound (Shortcut : [<f>] + [CHS] (DMCP-shortcut for screenshot bitmap only); longpress [EXIT]; NIM long [EXIT]; PEM longer [EXIT] ; Info : screenshot is saved in file SCREENS/<YYYYMMDD-HHMMSS00>.bmp ; SNAP also appends data to file DATA/<YYYYMMDD-HHMMSS00>.REGS.TSV ; new datafile after timeout of 2 minutes) Ref : https://r7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_8.pdf			
	STATE	Command		Menu [INFO.1] fF6	Last statefile loaded	Get name of last full statefile or backup loaded from STATE/<state>.sav, SAVFILES/R47.sav or SAVFILES/R47auto.sav (TI : Last full state file loaded: <date>: <file>) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_INFO_page_1.pdf			
	TONE	Command		Menu [AUDIO.1] F2	Tone	Tone (range 0-9) (TAM : TONE _ TamNonReg menu) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_AUDIO_page_1.pdf			
	VOL ^u	Command (HW)	11	Menu [INFO.1] fF4	Get volume	Get volume (0-11) ; hardware only (DMCP setting) (Info : Set by VOL ; Error 126 -- Not available on the simulator -- is raised when this setting is performed on the simulator) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_INFO_page_1.pdf			
	WRITEP	Command		Menu [I/O.1] F1	Write/save program	Write/save program to backup file (.p47) in FAT for READP (TAM : WRITEP _ TamLb1Only menu ; DMCP : File save dialog ("Save Program" -- PROGRAMS/) ; TI : Saved) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_I-O_page_1.pdf			
				Menu [MyML8] F3	Write/save program	Write/save program to backup file (.p47) in FAT for READP (TAM : WRITEP _ TamLb1Only menu ; DMCP : File save dialog ("Save Program" -- PROGRAMS/) ; TI : Saved) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MyMenu_page_8.pdf			
	WRXPall	Command (SIM)		Menu [I/O.1] gF2	Write/save & export all	Write/save & export all programs as binary and rich text files to PROGRAMS/ALLPGMS/ in FAT ; simulator only (Info : TI : Only available on the simulator -- is raised when this command is performed on the hardware) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_I-O_page_1.pdf			
	XPORTP	Command		Menu [I/O.1] gF1	Export program	Export program to rich text format file (.rtf) in FAT (TAM : XPORTP _ TamLb1Only menu ; DMCP : File save dialog ("Export Program RTP" -- PROGRAMS/) ; TI : Saved) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_I-O_page_1.pdf			
Integers	*MOD	Function (triadic)		Menu [INTS.1] gF4	Z ^Y modulo X	Z ^Y modulo X Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_INTS_page_1.pdf			
	→I (→I)	Function (monadic, cyclic)		Menu [BLUE7.2] F1	To integer	Convert to Long integer (0), Short integer (8.02-8.16) (cyclic, max 1000 digits) (Info : Short integer indicated by subscript ₁₀ ; can show TI: 0vrfl<0: or 0vrfl>64 bits : which can be abbreviated as 0F, indicating overflow condition) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_BLUE7_page_2.pdf			
	→I (→I)	Function (monadic, cyclic)		Keyboard g [LOG]	To integer	Convert to Long integer (0), Short integer (8.02-8.16) (cyclic, max 1000 digits) (Info : Short integer indicated by subscript ₁₀ ; can show TI: 0vrfl<0: or 0vrfl>64 bits : which can be abbreviated as 0F, indicating overflow condition) Ref : https://r7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_2.pdf			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	→I (→I)	Function (monadic, cyclic)		Keyboard longerpress [L06]	To integer	Convert to Long integer (0), Short integer (8.02-8.16) (cyclic, max 1000 digits) (Info : Short integer indicated by subscript ₁₀ ; can show TI: 0vrfI<8; or 0vrfI>64 bits : which can be abbreviated as 0F, indicating overflow condition) Ref : https://r7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_2.pdf			
	xMOD	Function (triadic)		Menu [INTS.1] fF4	ZxY modulo X	Z x Y, modulo X Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_INTS_page_1.pdf			
	DBL÷	Function (triadic)		Menu [INTS.1] gF1	Double divide	Double word length divide : (Z - least, Y - most significant digits) / (X) Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_INTS_page_1.pdf			
	DBLx	Function (dyadic)		Menu [INTS.1] gF3	Double multiply	Double word length multiply (result in Y - least and X - most significant digit) Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_INTS_page_1.pdf			
	DBLR	Function (triadic)		Menu [INTS.1] gF2	Double remainder	Double word length remainder Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_INTS_page_1.pdf			
	FACTORS	Function (monadic)		Menu [X.FN.1] F3	Prime factors	Prime factors of the integer input in X ; factors are calculated in Long integer, stored as Real number (34 digits) and returned as a 2 row matrix (row 1 contains the primes, row 2 contains the powers) ; shows status, number being tested and last factor found ; interrupt by [EXIT] ; registers G, H, K are used to store the last three factors, in Long integer (register K stores the remaining number to be factorised after interrupt) -- see https://en.wikipedia.org/wiki/Pollard's_rho_algorithm ; https://en.wikipedia.org/wiki/Shanks's_square_forms_factorization (Info : Pollard's rho algorithm and Shanks's square forms factorization are used ; prime factors will be accurate up to 3 317 044 064 679 887 385 961 980 ; for input values > 34 digits, the long integer factors are saved in DATA/<YYYYMMDD-HHMMSS00>.REGS.TSV ; during execution, status info may be shown: Factors: Small prime trial: p = Factors: Perfect Sq trial: p = Factors: Shanks/Pollard†: n = Factors: Shanks/Pollard‡: n =) Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_X-FN_page_1.pdf			
				Menu [NumTh.1] F1	Prime factors	Prime factors of the integer input in X ; factors are calculated in Long integer, stored as Real number (34 digits) and returned as a 2 row matrix (row 1 contains the primes, row 2 contains the powers) ; shows status, number being tested and last factor found ; interrupt by [EXIT] ; registers G, H, K are used to store the last three factors, in Long integer (register K stores the remaining number to be factorised after interrupt) -- see https://en.wikipedia.org/wiki/Pollard's_rho_algorithm ; https://en.wikipedia.org/wiki/Shanks's_square_forms_factorization (Info : Pollard's rho algorithm and Shanks's square forms factorization are used ; prime factors will be accurate up to 3 317 044 064 679 887 385 961 980 ; for input values > 34 digits, the long integer factors are saved in DATA/<YYYYMMDD-HHMMSS00>.REGS.TSV ; during execution, status info may be shown: Factors: Small prime trial: p = Factors: Perfect Sq trial: p = Factors: Shanks/Pollard†: n = Factors: Shanks/Pollard‡: n =) Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_NumTh_page_1.pdf			
	GCD	Function (dyadic)		Menu [INTS.1] gF6	Greatest common divisor	Greatest common divisor of X and Y Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_INTS_page_1.pdf			
	IDIV	Function (dyadic)		Menu [INTS.1] fF1	Integer divide	Integer divide Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_INTS_page_1.pdf			
				Menu [FCNS.2] fF1	Integer divide	Integer divide Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_FCNS_EQN_page_2.pdf			
				Menu [BASE2.1] fF5	Integer divide	Integer divide Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_BASE2_page_1.pdf			
	IDIVR	Function (dyadic)		Catalog CAT.FCNS IDIVR	Integer divide and remainder	Integer divide (X) and remainder (Y)			
	ISM ₂	Command	2	Menu [INFO.3] fF2	Set integer sign mode	Set integer sign mode to X ; also set interactively from menu BITSET (1COMPL ; 2COMPL ; SIGNMT ; UNSIGN) (Info : 1COMPL: 1 ; 2COMPL: 2 ; SIGNMT: -1 ; UNSIGN: 0) Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_INFO_page_3.pdf			
	ISM ₈	Command	2	Menu [INFO.3] F2	Get integer sign mode	Get integer sign mode ; set interactively from menu BITSET (1COMPL ; 2COMPL ; SIGNMT ; UNSIGN) and by ISM (Info : 1COMPL: 1 ; 2COMPL: 2 ; SIGNMT: -1 ; UNSIGN: 0) Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_INFO_page_3.pdf			
	LCM	Function (dyadic)		Menu [INTS.1] fF6	Least common multiple	Least common multiple of X and Y Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_INTS_page_1.pdf			
	LINT	Function (monadic)		Menu [BASE.1] F6	Long integer	Convert to Long integer (0) (Info : Max 1000 digits) Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_BASE_page_1.pdf			
				Menu [INTS.1] fF5	Long integer	Convert to Long integer (0) (Info : Max 1000 digits) Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_INTS_page_1.pdf			
	MLFACT	Function (monadic)		Menu [X.FN.1] fF3	Multiply (prime) factors	Multiply (prime) factors from a 2 row matrix in X (row 1 contains the factors, row 2 contains the powers) (Info : E.g. use FACTORS matrix as input in X) Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_X-FN_page_1.pdf			
				Menu [NumTh.1] fF1	Multiply (prime) factors	Multiply (prime) factors from a 2 row matrix in X (row 1 contains the factors, row 2 contains the powers) (Info : E.g. use FACTORS matrix as input in X) Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_NumTh_page_1.pdf			
	RMD	Function (dyadic)		Menu [INTS.1] fF2	Remainder	Remainder of division of Y by X Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_INTS_page_1.pdf			
				Menu [FCNS.3] F4	Remainder	Remainder of division of Y by X Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_FCNS_EQN_page_3.pdf			
				Menu [HOME.1] fF2	Remainder	Remainder of division of Y by X Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_HOME_page_1.pdf			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	SINT	Function (monadic)		Menu [INTS.1] gF5	Short integer	Convert to Short integer (8.02-8.16) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_INTS_page_1.pdf			
Integrator	$\int$ (f,d)	Command		Menu [Tool.1] F3	Integrator (variable limits)	Solve the integral for the expression entered in the equation editor or the RPN program (with MVAR variables) selected in TAM ; in Program Entry Mode, RPN program must be specified by PGHINT ; integrator limits set by variables (4Lim, 1Lim) ; tolerance set by variable ACC (TAM : $\int$... Tam menu (in PEM, to specify variable to integrate for) ; TI : Accuracy $\approx$; Info : $\int$ $\approx$ displays the accumulated integral sum, the current accuracy achieved, the level counter from 7 down to 0 and an iteration counter ; shown if flag MONIT is SET) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_ToolInt_EQN_page_1.pdf	INTING	CLEAR	<no annunciator>
				Menu [Tool.1] F3	Integrator (variable limits)	Solve the integral for the expression entered in the equation editor or the RPN program (with MVAR variables) selected in TAM ; in Program Entry Mode, RPN program must be specified by PGHINT ; integrator limits set by variables (4Lim, 1Lim) ; tolerance set by variable ACC (TAM : $\int$... Tam menu (in PEM, to specify variable to integrate for) ; TI : Accuracy $\approx$; Info : $\int$ $\approx$ displays the accumulated integral sum, the current accuracy achieved, the level counter from 7 down to 0 and an iteration counter ; shown if flag MONIT is SET) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_ToolInt_ADV_page_d.pdf	INTING	CLEAR	<no annunciator>
	$\int_x^y$	Command		Menu [$\int$ f.1] F6	Integrator (stack limits)	Solve the integral for the expression entered in the equation editor or the RPN program (with MVAR variables) selected in TAM ; in Program Entry Mode, RPN program must be specified by PGHINT ; integrator limits set from stack (Y, X) ; tolerance set by variable ACC (TAM : $\int_x^y$... Tam menu (in PEM, to specify variable to integrate for) ; TI : Accuracy $\approx$; Info : $\int$ $\approx$ displays the accumulated integral sum, the current accuracy achieved, the level counter from 7 down to 0 and an iteration counter ; shown if flag MONIT is SET) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_Integral-f_page_1.pdf	INTING	CLEAR	<no annunciator>
				Menu [Tool.1] F2	Integrator (stack limits)	Solve the integral for the expression entered in the equation editor or the RPN program (with MVAR variables) selected in TAM ; in Program Entry Mode, RPN program must be specified by PGHINT ; integrator limits set from stack (Y, X) ; tolerance set by variable ACC (TAM : $\int_x^y$... Tam menu (in PEM, to specify variable to integrate for) ; TI : Accuracy $\approx$; Info : $\int$ $\approx$ displays the accumulated integral sum, the current accuracy achieved, the level counter from 7 down to 0 and an iteration counter ; shown if flag MONIT is SET) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_ToolInt_EQN_page_1.pdf	INTING	CLEAR	<no annunciator>
				Menu [Tool.1] F2	Integrator (stack limits)	Solve the integral for the expression entered in the equation editor or the RPN program (with MVAR variables) selected in TAM ; in Program Entry Mode, RPN program must be specified by PGHINT ; integrator limits set from stack (Y, X) ; tolerance set by variable ACC (TAM : $\int_x^y$... Tam menu (in PEM, to specify variable to integrate for) ; TI : Accuracy $\approx$; Info : $\int$ $\approx$ displays the accumulated integral sum, the current accuracy achieved, the level counter from 7 down to 0 and an iteration counter ; shown if flag MONIT is SET) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_ToolInt_ADV_page_d.pdf	INTING	CLEAR	<no annunciator>
Linear Force Density conversions	kgf/m $\rightarrow$ N/m	Function (monadic, linked)		Menu [FLoads.1] FF1	kgf/m to N/m	Convert kilogram force per metre to Newton per metre (TI : N/m) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_Floads_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	lbf/ft $\rightarrow$ N/m	Function (monadic, linked)		Menu [FLoads.1] F1	lbf/ft to N/m	Convert pound force per foot to Newton per metre (TI : N/m) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_Floads_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	N/m $\rightarrow$ kgf/m	Function (monadic, linked)		Menu [FLoads.1] FF2	N/m to kgf/m	Convert Newton per metre to kilogram force per metre (TI : kgf/m) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_Floads_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	N/m $\rightarrow$ lbf/ft	Function (monadic, linked)		Menu [FLoads.1] F2	N/m to lbf/ft	Convert Newton per metre to pound force per foot (TI : lbf/ft) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_Floads_page_1.pdf	CONV _{HP}	SET	<no annunciator>
Mass conversions	blob $\rightarrow$ kg	Function (monadic, linked)		Menu [Mass.1] gF5	blob to kg	Convert blob to kilogram ; this is the same conversion as lbf-s ² /in ³ -kg on [Mass.2] gF3 (TI : kg) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_Mass_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	carat $\rightarrow$ g	Function (monadic, linked)		Menu [Mass.2] FF1	carat to g	Convert carat to gram (TI : g) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_Mass_page_2.pdf	CONV _{HP}	SET	<no annunciator>
	cwt $\rightarrow$ kg	Function (monadic, linked)		Menu [Mass.1] F3	cwt to kg	Convert hundredweight to kilogram (TI : kg) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_Mass_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	fir $\rightarrow$ kg	Function (monadic, linked)		Menu [FFF+.1] FF3	fir to kg	Convert firkin to kilogram (TI : kg) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_FFF+_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	fir $\rightarrow$ lbs	Function (monadic, linked)		Menu [FFF+.1] gF3	fir to lbs	Convert firkin to pound (TI : lbs) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_FFF+_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	g $\rightarrow$ carat	Function (monadic, linked)		Menu [Mass.2] FF2	g to carat	Convert gram to carat (TI : carat) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_Mass_page_2.pdf	CONV _{HP}	SET	<no annunciator>
	g $\rightarrow$ oz	Function (monadic, linked)		Menu [Mass.1] F6	g to oz	Convert gram to ounce (TI : oz) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_Mass_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	g $\rightarrow$ tr oz	Function (monadic, linked)		Menu [Mass.1] FF6	g to tr oz	Convert gram to troy ounce (TI : tr oz) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_Mass_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	jīn $\rightarrow$ kg	Function (monadic, linked)		Menu [Mass.2] FF3	jīn to kg	Convert jīn to kilogram (TI : kg) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_Mass_page_2.pdf	CONV _{HP}	SET	<no annunciator>
	kg $\rightarrow$ blob	Function (monadic, linked)		Menu [Mass.1] gF6	kg to blob	Convert kilogram to blob ; this is the same conversion as kg $\rightarrow$ lbf-s ² /in ³ on [Mass.2] gF4 (TI : blob) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_Mass_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	kg $\rightarrow$ cwt	Function (monadic, linked)		Menu [Mass.1] F4	kg to cwt	Convert kilogram to hundredweight (TI : cwt) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_Mass_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	kg $\rightarrow$ fir	Function (monadic, linked)		Menu [FFF+.1] FF4	kg to fir	Convert kilogram to firkin (TI : fir) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_FFF+_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	kg $\rightarrow$ jīn	Function (monadic, linked)		Menu [Mass.2] FF4	kg to jīn	Convert kilogram to jīn (TI : jīn) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_Mass_page_2.pdf	CONV _{HP}	SET	<no annunciator>

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	kg→lbf-s²/ft	Function (monadic, linked)		Menu [Mass:2] gF2	kg to lbf-s²/ft	Convert kilogram to lbf-s²/ft (slug) ; this is the same conversion as kg→slug on [Mass:1] gF2 (TI : lbf-s²/ft ; Info : single = bf-s²/ft+) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Mass_page_2.pdf	CONV _{HP}	SET	<no annunciator>
	kg→lbf-s²/in	Function (monadic, linked)		Menu [Mass:2] gF4	kg to lbf-s²/in	Convert kilogram to lbf-s²/in (slinch or blob) ; this is the same conversion as kg→slinch on [Mass:1] gF4 (TI : lbf-s²/in ; Info : single = bf-s²/in+) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Mass_page_2.pdf	CONV _{HP}	SET	<no annunciator>
				Menu [Mass:2] gF6	kg to lbf-s²/in	Convert kilogram to lbf-s²/in (slinch or blob) ; this is the same conversion as kg→slinch on [Mass:1] gF4 (TI : lbf-s²/in ; Info : single = bf-s²/in+) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Mass_page_2.pdf	CONV _{HP}	SET	<no annunciator>
	kg→lbs	Function (monadic, linked)		Menu [Mass:1] F2	kg to lbs	Convert kilogram to pound (TI : lbs) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Mass_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	kg→liång	Function (monadic, linked)		Menu [Mass:2] ff6	kg to liång	Convert kilogram to liång (TI : liång) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Mass_page_2.pdf	CONV _{HP}	SET	<no annunciator>
	kg→long ton	Function (monadic, linked)		Menu [Mass:2] F2	kg to long ton	Convert kilogram to long ton (TI : long ton ; Info : single = ng ton+) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Mass_page_2.pdf	CONV _{HP}	SET	<no annunciator>
	kg→short cwt	Function (monadic, linked)		Menu [Mass:1] ff4	kg to short cwt	Convert kilogram to short hundredweight (TI : short cwt ; Info : single = rt cwt+) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Mass_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	kg→short ton	Function (monadic, linked)		Menu [Mass:2] F4	kg to short ton	Convert kilogram to short ton (TI : short ton ; Info : single = rt ton+) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Mass_page_2.pdf	CONV _{HP}	SET	<no annunciator>
	kg→slinch	Function (monadic, linked)		Menu [Mass:1] gF4	kg to slinch	Convert kilogram to slinch ; this is the same conversion as kg→lbf-s²/in on [Mass:2] gF4 (TI : slinch) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Mass_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	kg→slug	Function (monadic, linked)		Menu [Mass:1] gF2	kg to slug	Convert kilogram to slug ; this is the same conversion as kg→lbf-s²/ft on [Mass:2] gF2 (TI : slug) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Mass_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	kg→stone	Function (monadic, linked)		Menu [Mass:1] ff2	kg to stone	Convert kilogram to stone (TI : stone) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Mass_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	kg→tonne	Function (monadic, linked)		Menu [Mass:2] F8	kg to tonne	Convert kilogram to metric tonne (TI : tonne) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Mass_page_2.pdf	CONV _{HP}	SET	<no annunciator>
	lbf-s²/ft→kg	Function (monadic, linked)		Menu [Mass:2] gF1	lbf-s²/ft to kg	Convert lbf-s²/ft (slug) to kilogram ; this is the same conversion as slug→kg on [Mass:1] gF1 (TI : kg) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Mass_page_2.pdf	CONV _{HP}	SET	<no annunciator>
	lbf-s²/in→kg	Function (monadic, linked)		Menu [Mass:2] gF3	lbf-s²/in to kg	Convert lbf-s²/in (slinch or blob) to kilogram ; this is the same conversion as slinch→kg on [Mass:1] gF3 (TI : kg) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Mass_page_2.pdf	CONV _{HP}	SET	<no annunciator>
				Menu [Mass:2] gF5	lbf-s²/in to kg	Convert lbf-s²/in (slinch or blob) to kilogram ; this is the same conversion as slinch→kg on [Mass:1] gF3 (TI : kg) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Mass_page_2.pdf	CONV _{HP}	SET	<no annunciator>
	lbs→fir	Function (monadic, linked)		Menu [FFF+:1] gF4	lbs to fir	Convert pound to firkin (TI : fir) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_FFF+_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	lbs→kg	Function (monadic, linked)		Menu [Mass:1] F1	lbs to kg	Convert pound to kilogram (TI : kg) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Mass_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	liång→kg	Function (monadic, linked)		Menu [Mass:2] ff5	liång to kg	Convert liång to kilogram (TI : kg) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Mass_page_2.pdf	CONV _{HP}	SET	<no annunciator>
	long ton→kg	Function (monadic, linked)		Menu [Mass:2] F1	long ton to kg	Convert long ton to kilogram (TI : kg) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Mass_page_2.pdf	CONV _{HP}	SET	<no annunciator>
	oz→g	Function (monadic, linked)		Menu [Mass:1] F5	oz to g	Convert ounce to gram (TI : g) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Mass_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	short cwt→kg	Function (monadic, linked)		Menu [Mass:1] ff3	short cwt to kg	Convert short hundredweight to kilogram (TI : kg) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Mass_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	short ton→kg	Function (monadic, linked)		Menu [Mass:2] F3	short ton to kg	Convert short ton to kilogram (TI : kg) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Mass_page_2.pdf	CONV _{HP}	SET	<no annunciator>
	slinch→kg	Function (monadic, linked)		Menu [Mass:1] gF3	slinch to kg	Convert slinch to kilogram ; this is the same conversion as lbf-s²/in→kg on [Mass:2] gF3 (TI : kg) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Mass_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	slug→kg	Function (monadic, linked)		Menu [Mass:1] gF1	slug to kg	Convert slug to kilogram ; this is the same conversion as lbf-s²/ft→kg on [Mass:2] gF1 (TI : kg) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Mass_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	stone→kg	Function (monadic, linked)		Menu [Mass:1] ff1	stone to kg	Convert stone to kilogram (TI : kg) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Mass_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	tonne→kg	Function (monadic, linked)		Menu [Mass:2] F5	tonne to kg	Convert metric tonne to kilogram (TI : kg) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Mass_page_2.pdf	CONV _{HP}	SET	<no annunciator>
	tr oz→g	Function (monadic, linked)		Menu [Mass:1] ff5	tr oz to g	Convert troy ounce to gram (TI : g) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Mass_page_1.pdf	CONV _{HP}	SET	<no annunciator>
Mathematics	-	Function (dyadic)		Keyboard [-]	Subtract	Subtract X from Y Ref : https://n7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_7.pdf			
	-	Function (dyadic)		Keyboard TAM [-]	Subtract	Subtract X from Y Ref : https://n7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_7.pdf			
	-	Function (dyadic)		Keyboard normalSIM [-]	Subtract	Subtract X from Y Ref : https://n7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_7.pdf			
	-	Function (dyadic)		Keyboard longpress [-]	Subtract	Subtract X from Y Ref : https://n7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_7.pdf			
	-	Function (dyadic)		Keyboard longerpress [-]	Subtract	Subtract X from Y Ref : https://n7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_7.pdf			
	(-1) ^x	Function (monadic)		Menu [X.FN.1] FF5	Cosine of πx	Cosine of πx ; for complex parameter : $(-1)^x = e^{-i\pi x} = \cos(\pi x) + i\sin(\pi x)$ (Info : Esp. for non-integer x) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_X-FN_page_1.pdf			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	$\div$	Function (dyadic)		Keyboard [$\div$]	Divide	Divide Y by X Ref : https://r7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_5.pdf			
	$\div$	Function (dyadic)		Keyboard TAM [$\div$]	Divide	Divide Y by X Ref : https://r7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_5.pdf			
	$\div$	Function (dyadic)		Keyboard normalSIM [$\div$]	Divide	Divide Y by X Ref : https://r7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_5.pdf			
	$\div$	Function (dyadic)		Keyboard longpress [$\div$]	Divide	Divide Y by X Ref : https://r7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_5.pdf			
	$\div$	Function (dyadic)		Keyboard longerpress [$\div$]	Divide	Divide Y by X Ref : https://r7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_5.pdf			
	$\times$	Function (dyadic)		Keyboard [$\times$]	Multiply	Multiply Y by X Ref : https://r7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_6.pdf			
	$\times$	Function (dyadic)		Keyboard TAM [$\times$]	Multiply	Multiply Y by X Ref : https://r7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_6.pdf			
	$\times$	Function (dyadic)		Keyboard normalSIM [$\times$]	Multiply	Multiply Y by X Ref : https://r7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_6.pdf			
	$\times$	Function (dyadic)		Keyboard longpress [$\times$]	Multiply	Multiply Y by X Ref : https://r7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_6.pdf			
	$\times$	Function (dyadic)		Keyboard longerpress [$\times$]	Multiply	Multiply Y by X Ref : https://r7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_6.pdf			
	$\sqrt{}$	Function (monadic, legacy)			Square root	Legacy version of function $\sqrt{X}$: Square root of X (Info : Function $\sqrt{}$ is superceded by $\sqrt{X}$ on [$\sqrt{X}$])			
	$\sqrt{1+x^2}$	Function (monadic)		Menu [EXP.1] F3	$\sqrt{1+x^2}$	Calculate $\sqrt{1+x^2}$ Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_EXP_page_1.pdf			
	$\sqrt{x}$	Function (monadic)		Menu [EXP.1] fF3	Square root	Square root of X (Info : When X is a matrix $\sqrt{x}$ calculates its square root (MSQRT)) Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_EXP_page_1.pdf			
				Menu [FCNS.4] F3	Square root	Square root of X (Info : When X is a matrix $\sqrt{x}$ calculates its square root (MSQRT)) Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_FCNS_EQN_page_4.pdf			
	$\sqrt{x}$	Function (monadic)		Keyboard [$\sqrt{x}$]	Square root	Square root of X (Info : When X is a matrix $\sqrt{x}$ calculates its square root (MSQRT)) Ref : https://r7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_2.pdf			
	$\sqrt{x}$	Function (monadic)		Keyboard normalSIM [q]	Square root	Square root of X (Info : When X is a matrix $\sqrt{x}$ calculates its square root (MSQRT)) Ref : https://r7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_2.pdf			
	$\sqrt[3]{x}$	Function (monadic)		Menu [EXP.1] fF1	Cube root	Cube root of X Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_EXP_page_1.pdf			
				Menu [FCNS.1] F1	Cube root	Cube root of X Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_FCNS_EQN_page_1.pdf			
	$\sqrt[y]{x}$	Function (dyadic)		Menu [EXP.1] fF2	xth root	Xth root of Y Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_EXP_page_1.pdf			
				Menu [MyM.6] F4	xth root	Xth root of Y Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_MyMenu_page_6.pdf			
				Menu [BLUE47.1] fF3	xth root	Xth root of Y Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_BLUE47_page_1.pdf			
				Menu [FCNS.3] gF4	xth root	Xth root of Y Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_FCNS_EQN_page_3.pdf			
				Menu [HOME.1] F4	xth root	Xth root of Y Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_HOME_page_1.pdf			
	$\sqrt[y]{x}$	Function (dyadic)		Keyboard f [y $\wedge$]	xth root	Xth root of Y Ref : https://r7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_2.pdf			
	$\sqrt[y]{x}$	Function (dyadic)		Keyboard longpress [y $\wedge$]	xth root	Xth root of Y Ref : https://r7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_2.pdf			
	$1/x$ (1/x)	Function (monadic)		Keyboard [$1/x$]	Reciprocal	Reciprocal (1/X) (Info : When X is a matrix $1/x$ inverts it ([M] $^{-1}$)) Ref : https://r7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_2.pdf			
	$1/x$ (1/x)	Function (monadic)		Keyboard normalSIM [v ; v]	Reciprocal	Reciprocal (1/X) (Info : When X is a matrix $1/x$ inverts it ([M] $^{-1}$)) Ref : https://r7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_2.pdf			
	10^x	Function (monadic)		Menu [MyM.3] F5	10 to the power x	Raise 10 to the power in the X-register Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_MyMenu_page_3.pdf			
				Menu [MyM.5] F4	10 to the power x	Raise 10 to the power in the X-register Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_MyMenu_page_5.pdf			
				Menu [MyM.6] F5	10 to the power x	Raise 10 to the power in the X-register Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_MyMenu_page_6.pdf			
				Menu [HOME.1] F5	10 to the power x	Raise 10 to the power in the X-register Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_HOME_page_1.pdf			
	10^x	Function (monadic)		Keyboard f [LOG]	10 to the power x	Raise 10 to the power in the X-register Ref : https://r7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_2.pdf			
	10^x	Function (monadic)		Keyboard longpress [LOG]	10 to the power x	Raise 10 to the power in the X-register Ref : https://r7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_2.pdf			
	2^x	Function (monadic)		Menu [EXP.1] fF4	2 to the power x	Raise 2 to the power in the X-register Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_EXP_page_1.pdf			
	$a, b \rightarrow m$	Function (dyadic)		Menu [Ellipt.1] gF3	Dimensions to modulus	Ellipse dimensions to modulus : $m = 1 - (a/b)^2$, where b is the larger axis (TI : modulus $m=k^2$;) Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_Ellipt_page_1.pdf			
	AGM	Function (dyadic)		Menu [X.FN.1] F5	Arithmetic geometric mean	Arithmetic geometric mean of X and Y Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_X-FN_page_1.pdf			
	am(u,m)	Function (dyadic)		Menu [Ellipt.1] fF3	Elliptic amplitude	Elliptic amplitude (Parameter : $u = X$; $m = Y$; Info : u is a Real number (1.0), not an Angle (1.1-1.5)) Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_Ellipt_page_1.pdf			
	arcosh	Function (monadic)		Menu [EXP.1] gF5	Inverse hyperbolic cosine	Inverse hyperbolic cosine Ref : https://r7calc.com/doc/RN7/Menus/RN7v0_Menu_EXP_page_1.pdf			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
				Menu [TRG....1] gF5	Inverse hyperbolic cosine	Inverse hyperbolic cosine Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_TRG_MORE_page_1.pdf			
				Menu [FCNS.1] F3	Inverse hyperbolic cosine	Inverse hyperbolic cosine Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_FCNS_EQN_page_1.pdf			
	arsinh	Function (monadic)		Menu [EXP.1] gF4	Inverse hyperbolic sine	Inverse hyperbolic sine Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_EXP_page_1.pdf			
				Menu [TRG....1] gF4	Inverse hyperbolic sine	Inverse hyperbolic sine Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_TRG_MORE_page_1.pdf			
				Menu [FCNS.1] F6	Inverse hyperbolic sine	Inverse hyperbolic sine Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_FCNS_EQN_page_1.pdf			
	artanh	Function (monadic)		Menu [EXP.1] gF6	Inverse hyperbolic tangent	Inverse hyperbolic tangent Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_EXP_page_1.pdf			
				Menu [TRG....1] gF6	Inverse hyperbolic tangent	Inverse hyperbolic tangent Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_TRG_MORE_page_1.pdf			
				Menu [FCNS.1] fF1	Inverse hyperbolic tangent	Inverse hyperbolic tangent Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_FCNS_EQN_page_1.pdf			
	B _n	Function (monadic)		Menu [X.FN.1] gF5	Bernoulli number (new definition)	Bernoulli number (new definition) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_X-FN_page_1.pdf			
				Menu [FCNS.1] fF3	Bernoulli number (new definition)	Bernoulli number (new definition) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_FCNS_EQN_page_1.pdf			
	B _n [*]	Function (monadic)		Menu [X.FN.1] gF6	Bernoulli number (old definition)	Bernoulli number (old definition) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_X-FN_page_1.pdf			
				Menu [FCNS.1] fF4	Bernoulli number (old definition)	Bernoulli number (old definition) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_FCNS_EQN_page_1.pdf			
	cn(u,m)	Function (dyadic)		Menu [Ellipt.1] F2	Elliptic cosine	Elliptic cosine (Parameter : u = X ; m = Y ; Info :) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Ellipt_page_1.pdf			
	cosh	Function (monadic)		Menu [EXP.1] gF2	Hyperbolic cosine	Hyperbolic cosine Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_EXP_page_1.pdf			
				Menu [TRG....1] gF2	Hyperbolic cosine	Hyperbolic cosine Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_TRG_MORE_page_1.pdf			
				Menu [FCNS.1] gF3	Hyperbolic cosine	Hyperbolic cosine Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_FCNS_EQN_page_1.pdf			
	dn(u,m)	Function (dyadic)		Menu [Ellipt.1] F3	Elliptic delta amplitude	Elliptic delta amplitude (Parameter : u = X ; m = Y ; Info : u is a Real number (1.0), not an Angle (1.1-1.5)) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Ellipt_page_1.pdf			
	E(m)	Function (monadic)		Menu [Ellipt.1] F5	Complete elliptic integral (2nd)	Complete elliptic integral of the 2nd kind -- see https://mathworld.wolfram.com/CompleteEllipticIntegraloftheSecondKind.html (Parameter : m = X) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Ellipt_page_1.pdf			
	E(φ,m)	Function (dyadic)		Menu [Ellipt.1] fF5	Incomplete elliptic integral (2nd)	Incomplete elliptic integral of the 2nd kind (Parameter : φ = X ; m = Y ; Info : φ is amplitude angle (any angle mode)) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Ellipt_page_1.pdf			
	e ^{iX}	Function (monadic)		Menu [MyM.1] F3	Euler's formula	Rotate complex unit vector by X radians : e ^{iX} = cos(x) + i sin(x) (Info : <i>i</i> or <i>j</i> displayed in stack and on soft buttons) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MyMenu_page_1.pdf	CPX <i>j</i>	CLEAR	<no annunciator>
				Menu [X.FN.1] fF4	Euler's formula	Rotate complex unit vector by X radians : e ^{iX} = cos(x) + i sin(x) (Info : <i>i</i> or <i>j</i> displayed in stack and on soft buttons) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_X-FN_page_1.pdf	CPX <i>j</i>	CLEAR	<no annunciator>
				Menu [HOME.1] fF6	Euler's formula	Rotate complex unit vector by X radians : e ^{iX} = cos(x) + i sin(x) (Info : <i>i</i> or <i>j</i> displayed in stack and on soft buttons) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_HOME_page_1.pdf	CPX <i>j</i>	CLEAR	<no annunciator>
	erf	Function (monadic)		Menu [X.FN.2] gF5	Error function	Error function Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_X-FN_page_2.pdf			
				Menu [FCNS.1] gF4	Error function	Error function Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_FCNS_EQN_page_1.pdf			
	erfc	Function (monadic)		Menu [X.FN.2] gF6	Complementary error function	Complementary error function Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_X-FN_page_2.pdf			
				Menu [FCNS.1] gF5	Complementary error function	Complementary error function Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_FCNS_EQN_page_1.pdf			
	e ^x (e ^x)	Function (monadic)		Menu [EXP.1] fF6	e to the power x	Raise e to the power in the X-register Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_EXP_page_1.pdf			
				Menu [MyM.1] F4	e to the power x	Raise e to the power in the X-register Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MyMenu_page_1.pdf			
				Menu [MyM.5] F5	e to the power x	Raise e to the power in the X-register Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MyMenu_page_5.pdf			
				Menu [MyM.6] F6	e to the power x	Raise e to the power in the X-register Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MyMenu_page_6.pdf			
				Menu [FCNS.1] gF6	e to the power x	Raise e to the power in the X-register Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_FCNS_EQN_page_1.pdf			
				Menu [HOME.1] F6	e to the power x	Raise e to the power in the X-register Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_HOME_page_1.pdf			
				Menu [MyM.2] F6	e to the power x	Raise e to the power in the X-register Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MyMenu_page_2.pdf			
	e ^x (e ^x)	Function (monadic)		Keyboard f [LN]	e to the power x	Raise e to the power in the X-register Ref : https://r7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_2.pdf			
	e ^x (e ^x)	Function (monadic)		Keyboard longpress [LN]	e to the power x	Raise e to the power in the X-register Ref : https://r7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_2.pdf			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	e^x-1	Function (monadic)		Menu [EXP.1] fF5	$e^x - 1$	More accurate calculation of $e^x - 1$ for $x \approx 0$ Ref : https://N7calc.com/doc/R47/Menu/R47v0_Menu_EXP_page_1.pdf			
	$F(\phi, m)$	Function (dyadic)		Menu [Ellipt.1] fF4	Incomplete elliptic integral (1st)	Incomplete elliptic integral of the 1st kind (Parameter : $\phi = X$; $m = Y$; Info : ϕ is amplitude angle (any angle mode)) Ref : https://N7calc.com/doc/R47/Menu/R47v0_Menu_Ellipt_page_1.pdf			
	FIB	Function (monadic)		Menu [X.FN.1] F4	Fibonacci number	Fibonacci number n , where $n = X$ -- see https://en.wikipedia.org/wiki/Fibonacci_sequence Ref : https://N7calc.com/doc/R47/Menu/R47v0_Menu_X-FN_page_1.pdf			
				Menu [FCNS.2] F1	Fibonacci number	Fibonacci number n , where $n = X$ -- see https://en.wikipedia.org/wiki/Fibonacci_sequence Ref : https://N7calc.com/doc/R47/Menu/R47v0_Menu_FCNS_EQN_page_2.pdf			
	g_d	Function (monadic)		Menu [X.FN.1] gF1	Gudermannian function	Gudermannian function -- see http://en.wikipedia.org/wiki/Gudermannian_function Ref : https://N7calc.com/doc/R47/Menu/R47v0_Menu_X-FN_page_1.pdf			
				Menu [FCNS.2] F3	Gudermannian function	Gudermannian function -- see http://en.wikipedia.org/wiki/Gudermannian_function Ref : https://N7calc.com/doc/R47/Menu/R47v0_Menu_FCNS_EQN_page_2.pdf			
	g_d^{-1}	Function (monadic)		Menu [X.FN.1] gF2	Inverse Gudermannian function	Inverse Gudermannian function -- see http://en.wikipedia.org/wiki/Gudermannian_function Ref : https://N7calc.com/doc/R47/Menu/R47v0_Menu_X-FN_page_1.pdf			
				Menu [FCNS.2] F4	Inverse Gudermannian function	Inverse Gudermannian function -- see http://en.wikipedia.org/wiki/Gudermannian_function Ref : https://N7calc.com/doc/R47/Menu/R47v0_Menu_FCNS_EQN_page_2.pdf			
	H_n	Function (dyadic)		Menu [Orthog.1] F1	Hermite polynomials (probability)	Hermite polynomials (probability) (Parameter : $x = X$; $n = Y$) Ref : https://N7calc.com/doc/R47/Menu/R47v0_Menu_Orthog_page_1.pdf			
				Menu [FCNS.2] F5	Hermite polynomials (probability)	Hermite polynomials (probability) (Parameter : $x = X$; $n = Y$) Ref : https://N7calc.com/doc/R47/Menu/R47v0_Menu_FCNS_EQN_page_2.pdf			
	H_{np}	Function (dyadic)		Menu [Orthog.1] fF1	Hermite polynomials (physics)	Hermite polynomials (physics) (Parameter : $x = X$; $n = Y$) Ref : https://N7calc.com/doc/R47/Menu/R47v0_Menu_Orthog_page_1.pdf			
				Menu [FCNS.2] F6	Hermite polynomials (physics)	Hermite polynomials (physics) (Parameter : $x = X$; $n = Y$) Ref : https://N7calc.com/doc/R47/Menu/R47v0_Menu_FCNS_EQN_page_2.pdf			
	I_{xyz}	Function (triadic)		Menu [X.FN.2] fF4	Regularised (incomplete) Beta function	Regularised (incomplete) Beta function -- see https://en.wikipedia.org/wiki/Beta_function Ref : https://N7calc.com/doc/R47/Menu/R47v0_Menu_X-FN_page_2.pdf			
	$I\Gamma_p$	Function (dyadic)		Menu [X.FN.2] F3	Lower regularised incomplete Gamma function	Lower regularised incomplete Gamma function (P) -- see https://mathworld.wolfram.com/RegularizedGammaFunction.html Ref : https://N7calc.com/doc/R47/Menu/R47v0_Menu_X-FN_page_2.pdf			
	$I\Gamma_q$	Function (dyadic)		Menu [X.FN.2] F4	Upper regularised incomplete Gamma function	Upper regularised incomplete Gamma function (Q) -- see https://mathworld.wolfram.com/RegularizedGammaFunction.html Ref : https://N7calc.com/doc/R47/Menu/R47v0_Menu_X-FN_page_2.pdf			
	$J_\nu(x)$	Function (monadic)		Menu [X.FN.2] gF3	Bessel function of the 1st kind	Bessel function of the 1st kind and order ν -- see http://en.wikipedia.org/wiki/Bessel_function Ref : https://N7calc.com/doc/R47/Menu/R47v0_Menu_X-FN_page_2.pdf			
	$K(m)$	Function (monadic)		Menu [Ellipt.1] F4	Complete elliptic integral (1st)	Complete elliptic integral of the 1st kind -- see https://mathworld.wolfram.com/CompleteEllipticIntegraloftheFirstKind.html (Parameter : $m = X$) Ref : https://N7calc.com/doc/R47/Menu/R47v0_Menu_Ellipt_page_1.pdf			
	$k \rightarrow m$	Function (monadic)		Menu [Ellipt.1] fF1	Eccentricity to modulus	Ellipse eccentricity to modulus : $m = k^2$ (TI : modulus $m=k^2$:) Ref : https://N7calc.com/doc/R47/Menu/R47v0_Menu_Ellipt_page_1.pdf			
	L_n	Function (dyadic)		Menu [Orthog.1] F2	Laguerre polynomials	Laguerre polynomials (Parameter : $x = X$; $m = Y$) Ref : https://N7calc.com/doc/R47/Menu/R47v0_Menu_Orthog_page_1.pdf			
				Menu [FCNS.2] fF4	Laguerre polynomials	Laguerre polynomials (Parameter : $x = X$; $m = Y$) Ref : https://N7calc.com/doc/R47/Menu/R47v0_Menu_FCNS_EQN_page_2.pdf			
	LB	Function (monadic)		Menu [EXP.1] F4	Binary logarithm (base 2)	Binary logarithm (base 2) Ref : https://N7calc.com/doc/R47/Menu/R47v0_Menu_EXP_page_1.pdf			
				Menu [FCNS.2] fF3	Binary logarithm	Binary logarithm (base 2) Ref : https://N7calc.com/doc/R47/Menu/R47v0_Menu_FCNS_EQN_page_2.pdf			
	LINPOL	Function (triadic)		Menu [X.FN.1] F6	Linear interpolation	Linear interpolation ; also works for Complex numbers and Dates (Info : <from> ENTER <towards> ENTER <at> (fraction) LINPOL) Ref : https://N7calc.com/doc/R47/Menu/R47v0_Menu_X-FN_page_1.pdf			
				Menu [HOME.1] fF5	Linear interpolation	Linear interpolation ; also works for Complex numbers and Dates (Info : <from> ENTER <towards> ENTER <at> (fraction) LINPOL) Ref : https://N7calc.com/doc/R47/Menu/R47v0_Menu_HOME_page_1.pdf			
	LN	Function (monadic)		Menu [FCNS.2] fF6	Natural logarithm	Natural logarithm (base $\emptyset$) Ref : https://N7calc.com/doc/R47/Menu/R47v0_Menu_FCNS_EQN_page_2.pdf			
	LN	Function (monadic)		Keyboard [LN]	Natural logarithm	Natural logarithm (base $\emptyset$) Ref : https://N7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_2.pdf			
	LN	Function (monadic)		Keyboard normalSIM [1]	Natural logarithm	Natural logarithm (base $\emptyset$) Ref : https://N7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_2.pdf			
	$LN(1+x)$	Function (monadic)		Menu [EXP.1] F5	$LN(1+x)$	More accurate calculation of $LN(1+x)$ for $x \approx 0$ Ref : https://N7calc.com/doc/R47/Menu/R47v0_Menu_EXP_page_1.pdf			
	$LN\beta$	Function (dyadic)		Menu [X.FN.2] fF6	Natural logarithm of Euler's Beta function	Natural logarithm of Euler's Beta function Ref : https://N7calc.com/doc/R47/Menu/R47v0_Menu_X-FN_page_2.pdf			
	$LN\Gamma$	Function (monadic)		Menu [X.FN.2] F6	Natural logarithm of Gamma function	Natural logarithm of Gamma function Ref : https://N7calc.com/doc/R47/Menu/R47v0_Menu_X-FN_page_2.pdf			
				Menu [FCNS.2] gF1	Natural logarithm of Gamma function	Natural logarithm of Gamma function Ref : https://N7calc.com/doc/R47/Menu/R47v0_Menu_FCNS_EQN_page_2.pdf			
	LOG	Function (monadic)		Menu [FCNS.2] gF2	Common logarithm	Common logarithm (base 10) Ref : https://N7calc.com/doc/R47/Menu/R47v0_Menu_FCNS_EQN_page_2.pdf			
	LOG	Function (monadic)		Keyboard [LOG]	Common logarithm	Common logarithm (base 10) Ref : https://N7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_2.pdf			
	LOG	Function (monadic)		Keyboard normalSIM [o]	Common logarithm	Common logarithm (base 10) Ref : https://N7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_2.pdf			
	LOG_{xy}	Function (dyadic)		Menu [EXP.1] F6	LOG_{xy}	Logarithm of Y for base X Ref : https://N7calc.com/doc/R47/Menu/R47v0_Menu_EXP_page_1.pdf			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
				Menu [FCNS.2] gF3	LOG _y	Logarithm of Y for base X Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_FCNS_EQN_page_2.pdf			
	L_n^m	Function (triadic)		Menu [Orthog.1] F3	Laguerre generalised polynomials	Laguerre generalised polynomials (Parameter : $x = X$; $m = Y$; $\alpha = Z$) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Orthog_page_1.pdf			
				Menu [FCNS.2] fF5	Laguerre generalised polynomials	Laguerre generalised polynomials (Parameter : $x = X$; $m = Y$; $\alpha = Z$) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_FCNS_EQN_page_2.pdf			
	$m \rightarrow k$	Function (monadic)		Menu [Ellipt.1] fF2	Modulus to eccentricity	Ellipse modulus to eccentricity : $k = \sqrt{m}$ (TI : eccentricity $e = \sqrt{m}$:) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Ellipt_page_1.pdf			
	$m \rightarrow \theta$	Function (monadic)		Menu [Ellipt.1] gF2	Modulus to angle	Ellipse modulus to eccentricity angle : $\theta = \text{ARCSIN}(\sqrt{m})$ (TI : eccentricity angle θ :) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Ellipt_page_1.pdf			
	MAX	Function (dyadic)		Menu [X.FN.3] F2	Maximum	Maximum of X and Y Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_X-FN_page_3.pdf			
				Menu [FCNS.2] gF4	Maximum	Maximum of X and Y Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_FCNS_EQN_page_2.pdf			
	MIN	Function (dyadic)		Menu [X.FN.3] F1	Minimum	Minimum of X and Y Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_X-FN_page_3.pdf			
				Menu [FCNS.2] gF5	Minimum	Minimum of X and Y Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_FCNS_EQN_page_2.pdf			
	MOD	Function (dyadic)		Menu [INTS.1] fF3	Modulo	Y modulo X Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_INTS_page_1.pdf			
				Menu [FCNS.2] gF6	Modulo	Y modulo X Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_FCNS_EQN_page_2.pdf			
				Menu [BASE2.1] fF6	Modulo	Y modulo X Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_BASE2_page_1.pdf			
	NEIGHB	Function (dyadic)		Menu [INFO.2] F3	Neighbour	Get neighbour value of X compared to Y (next integer or next machine representable Real number) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_INFO_page_2.pdf			
	NEXTP	Function (monadic)		Menu [X.FN.1] F1	Next prime	Next prime of the integer X (Info : Prime numbers are calculated only if $X < 10^{308}$, or NEXTP raises Error 1 -- An argument exceeds the function domain (may depend on flag CPXRES and SPCRES)) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_X-FN_page_1.pdf			
	P_n	Function (dyadic)		Menu [Orthog.1] F4	Legendre polynomials	Legendre polynomials (Parameter : $x = X$; $n = Y$) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Orthog_page_1.pdf			
				Menu [FCNS.3] F2	Legendre polynomials	Legendre polynomials (Parameter : $x = X$; $n = Y$) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_FCNS_EQN_page_3.pdf			
	Poly _k	Function (monadic)		Menu [NEW (EQ_EDIT).3] F2	Polynomial kth degree	Create polynomial : $a_4 \times x^4 + a_3 \times x^3 + a_2 \times x^2 + a_1 \times x + a_0$ Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_NEW_page_3.pdf			
				Menu [EDIT (EQ_EDIT).3] F2	Polynomial kth degree	Create polynomial : $a_4 \times x^4 + a_3 \times x^3 + a_2 \times x^2 + a_1 \times x + a_0$ Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_EDIT_EQN_page_3.pdf			
	SDIGS#	Command	34	Menu [INFO.2] fF3	Get significant digits	Get the number of significant digits (1-34) for rounding after each operation (Info : Set by SDIGS) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_INFO_page_2.pdf			
	sinc	Function (monadic)		Menu [TRG.1] fF1	Sinc	Calculate (Sine of X) / X (Info : Integers and untagged reals are assumed to be radians) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_TRG_page_1.pdf			
				Menu [TRG....1] fF1	Sinc	Calculate (Sine of X) / X (Info : Integers and untagged reals are assumed to be radians) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_TRG_MORE_page_1.pdf			
				Menu [TRG_R47.1] gF5	Sinc	Calculate (Sine of X) / X (Info : Integers and untagged reals are assumed to be radians) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_TRG_R47_page_1.pdf			
				Menu [FCNS.3] F6	Sinc	Calculate (Sine of X) / X (Info : Integers and untagged reals are assumed to be radians) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_FCNS_EQN_page_3.pdf			
	$\text{sinc}\pi$	Function (monadic)		Menu [TRG.1] fF2	Sinc pi	Calculate (Sine of $\pi \times X$) / ($\pi \times X$) (Info : Integers and untagged reals are assumed to be radians) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_TRG_page_1.pdf			
				Menu [TRG....1] fF2	Sinc pi	Calculate (Sine of $\pi \times X$) / ($\pi \times X$) (Info : Integers and untagged reals are assumed to be radians) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_TRG_MORE_page_1.pdf			
				Menu [TRG_R47.1] gF6	Sinc pi	Calculate (Sine of $\pi \times X$) / ($\pi \times X$) (Info : Integers and untagged reals are assumed to be radians) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_TRG_R47_page_1.pdf			
				Menu [FCNS.3] fF1	Sinc pi	Calculate (Sine of $\pi \times X$) / ($\pi \times X$) (Info : Integers and untagged reals are assumed to be radians) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_FCNS_EQN_page_3.pdf			
	sinh	Function (monadic)		Menu [EXP.1] gF1	Hyperbolic sine	Hyperbolic sine Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_EXP_page_1.pdf			
				Menu [TRG....1] gF1	Hyperbolic sine	Hyperbolic sine Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_TRG_MORE_page_1.pdf			
				Menu [FCNS.3] fF2	Hyperbolic sine	Hyperbolic sine Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_FCNS_EQN_page_3.pdf			
	$\text{sn}(u,m)$	Function (dyadic)		Menu [Ellipt.1] F1	Elliptic sine	Elliptic sine (Parameter : $u = X$; $m = Y$; Info : u is Real number (1.0), not an Angle (1.1-1.5)) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Ellipt_page_1.pdf			
	T_n	Function (dyadic)		Menu [Orthog.1] F5	Chebyshev polynomials (1st)	Chebyshev polynomials of the 1st kind (Parameter : $x = X$; $n = Y$) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Orthog_page_1.pdf			
				Menu [FCNS.3] fF5	Chebyshev polynomials (1st)	Chebyshev polynomials of the 1st kind (Parameter : $x = X$; $n = Y$) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_FCNS_EQN_page_3.pdf			
	tanh	Function (monadic)		Menu [EXP.1] gF3	Hyperbolic tangent	Hyperbolic tangent Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_EXP_page_1.pdf			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
				Menu [TRG...1] gF3	Hyperbolic tangent	Hyperbolic tangent Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_TRG_MORE_page_1.pdf			
				Menu [FCNS.3] fF4	Hyperbolic tangent	Hyperbolic tangent Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_FCNS_EQN_page_3.pdf			
	U_n	Function (dyadic)		Menu [Orthog.1] F6	Chebyshev polynomials (2nd)	Chebyshev polynomials of the 2nd kind (Parameter : $x = X$; $n = Y$) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Orthog_page_1.pdf			
				Menu [FCNS.3] fF6	Chebyshev polynomials (2nd)	Chebyshev polynomials of the 2nd kind (Parameter : $x = X$; $n = Y$) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_FCNS_EQN_page_3.pdf			
	ULP	Function (monadic)	10^{-6176}	Menu [INFO.2] F4	Unit in the last place	Get minimum difference to next or previous machine representable real, as power of ten (Info : ULP is for Real numbers in X ; result is displayed as ≈ 0 . because of default HIDE and RNG settings, use SHOW to view result) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_INFO_page_2.pdf			
	W_m	Function (monadic)		Menu [X.FN.2] fF1	Lambert's W function (negative)	Lambert's W function (negative branch) ; $m = \text{minus}$ -- see http://en.wikipedia.org/wiki/Lambert_W_function Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_X-FN_page_2.pdf			
				Menu [FCNS.3] gF1	Lambert's W function (negative)	Lambert's W function (negative branch) ; $m = \text{minus}$ -- see http://en.wikipedia.org/wiki/Lambert_W_function Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_FCNS_EQN_page_3.pdf			
	W_p	Function (monadic)		Menu [X.FN.2] fF2	Lambert's W function (principal)	Lambert's W function (principal branch) -- see http://mathworld.wolfram.com/LambertW-Function.html Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_X-FN_page_2.pdf			
				Menu [FCNS.3] gF2	Lambert's W function (principal)	Lambert's W function (principal branch) -- see http://mathworld.wolfram.com/LambertW-Function.html Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_FCNS_EQN_page_3.pdf			
	W^{-1}	Function (monadic)		Menu [X.FN.2] fF3	Inverse of Lambert's W function (prin	Inverse of Lambert's W function (principal branch, ≥ -1) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_X-FN_page_2.pdf			
				Menu [FCNS.3] gF3	Inverse of Lambert's W function (prin	Inverse of Lambert's W function (principal branch, ≥ -1) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_FCNS_EQN_page_3.pdf			
	$x!$	Function (monadic)		Menu [MyML6] F3	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) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MyMenu_page_6.pdf			
				Menu [MyML9] F6	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) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MyMenu_page_9.pdf			
				Menu [PROB.1] F5	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) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_PROB_page_1.pdf			
				Menu [X.FN.1] fF6	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) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_X-FN_page_1.pdf			
				Menu [FCNS.3] gF5	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) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_FCNS_EQN_page_3.pdf			
				Menu [HOME.1] F3	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) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_HOME_page_1.pdf			
	$x!$	Function (monadic)		Keyboard f[¹ /x]	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) Ref : https://r7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_2.pdf			
	$x!$	Function (monadic)		Keyboard longpress [¹ /x]	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) Ref : https://r7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_2.pdf			
	x^2	Function (monadic)		Menu [MyML3] F4	Square	Square of X Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MyMenu_page_3.pdf			
				Menu [MyML5] F3	Square	Square of X Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MyMenu_page_5.pdf			
	x^2	Function (monadic)		Keyboard [x^2]	Square	Square of X Ref : https://r7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_2.pdf			
	x^2	Function (monadic)		Keyboard normalSIM [Q ; ^]	Square	Square of X Ref : https://r7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_2.pdf			
	x^3	Function (monadic)		Menu [EXP.1] F1	Cube	Raise to power of 3 Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_EXP_page_1.pdf			
	$Y_y(x)$	Command		Menu [X.FN.2] gF4	Bessel function of the 2nd kind	Bessel function of the 2nd kind and order y -- see http://en.wikipedia.org/wiki/Bessel_function Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_X-FN_page_2.pdf			
	y^x	Function (dyadic)		Menu [EXP.1] F2	y to the power x	Raise value in the Y-register to the power in the X-register Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_EXP_page_1.pdf			
				Menu [MyML3] F3	y to the power x	Raise value in the Y-register to the power in the X-register Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MyMenu_page_3.pdf			
				Menu [MyML5] F2	y to the power x	Raise value in the Y-register to the power in the X-register Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MyMenu_page_5.pdf			
	y^x	Function (dyadic)		Keyboard normalSIM [Y ; ^]	y to the power x	Raise value in the Y-register to the power in the X-register Ref : https://r7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_2.pdf			
	y^x	Function (dyadic)		Keyboard [y^x]	y to the power x	Raise value in the Y-register to the power in the X-register Ref : https://r7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_2.pdf			
	$\beta(x,y)$	Function (dyadic)		Menu [X.FN.2] fF5	Euler's Beta function	Euler's Beta function Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_X-FN_page_2.pdf			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	$\Gamma(x)$	Function (monadic)		Menu [X.FN.2] F5	Gamma function	Gamma function Ref : https://v7calc.com/doc/R47/Menu/R47v0_Menu_X-FN_page_2.pdf			
				Menu [FCNS.3] gF6	Gamma function	Gamma function Ref : https://v7calc.com/doc/R47/Menu/R47v0_Menu_FCNS_EQN_page_3.pdf			
	Γ_{xy}	Function (dyadic)		Menu [X.FN.2] F2	Upper incomplete Gamma function	Upper incomplete Gamma function -- see https://en.wikipedia.org/wiki/Incomplete_gamma_function Ref : https://v7calc.com/doc/R47/Menu/R47v0_Menu_X-FN_page_2.pdf			
	γ_{xy}	Function (dyadic)		Menu [X.FN.2] F1	Lower incomplete Gamma function	Lower incomplete Gamma function -- see https://en.wikipedia.org/wiki/Incomplete_gamma_function Ref : https://v7calc.com/doc/R47/Menu/R47v0_Menu_X-FN_page_2.pdf			
	$\zeta(x)$	Function (monadic)		Menu [X.FN.1] fF1	Riemann's Zeta for real arguments	Riemann's Zeta for real arguments -- see http://mathworld.wolfram.com/RiemannZetaFunction.html Ref : https://v7calc.com/doc/R47/Menu/R47v0_Menu_X-FN_page_1.pdf			
				Menu [FCNS.4] F1	Riemann's Zeta for real arguments	Riemann's Zeta for real arguments -- see http://mathworld.wolfram.com/RiemannZetaFunction.html Ref : https://v7calc.com/doc/R47/Menu/R47v0_Menu_FCNS_EQN_page_4.pdf			
	$Z(\phi, m)$	Function (dyadic)		Menu [Ellipt.1] fF6	Jacobi's Zeta	Jacobi's Zeta (Parameter : $\phi = X$; $m = Y$; Info : ϕ is amplitude angle (any angle mode)) Ref : https://v7calc.com/doc/R47/Menu/R47v0_Menu_Ellipt_page_1.pdf			
	$\theta \rightarrow m$	Function (monadic)		Menu [Ellipt.1] gF1	Angle to modulus	Ellipse eccentricity angle to modulus : $m = \sin^2(\theta)$ (TI : modulus $m=k^2$:) Ref : https://v7calc.com/doc/R47/Menu/R47v0_Menu_Ellipt_page_1.pdf			
	$\Pi(n, m)$	Function (dyadic)		Menu [Ellipt.1] F6	Complete elliptic integral (2rd)	Complete elliptic integral of the 3rd kind (Parameter : $n = X$; $m = Y$) Ref : https://v7calc.com/doc/R47/Menu/R47v0_Menu_Ellipt_page_1.pdf			
	σ_k	Function (dyadic)		Menu [NumTh.1] F4	Generalised sigma function	Generalised sigma function using either a FACTORS matrix or Long integer as input in X Ref : https://v7calc.com/doc/R47/Menu/R47v0_Menu_NumTh_page_1.pdf			
	σ_0	Function (monadic)		Menu [NumTh.1] F2	Divisor count function ($k = 0$)	Divisor count function ($k = 0$) using either a FACTORS matrix or Long integer as input in X Ref : https://v7calc.com/doc/R47/Menu/R47v0_Menu_NumTh_page_1.pdf			
	σ_1	Function (monadic)		Menu [NumTh.1] F3	Sigma function ($k = 1$)	Sigma function ($k = 1$) using either a FACTORS matrix or Long integer as input in X Ref : https://v7calc.com/doc/R47/Menu/R47v0_Menu_NumTh_page_1.pdf			
	σ_k^+	Function (dyadic)		Menu [NumTh.1] F6	Generalised proper sigma function	Generalised proper sigma function using either a FACTORS matrix or Long integer as input in X Ref : https://v7calc.com/doc/R47/Menu/R47v0_Menu_NumTh_page_1.pdf			
	σ_1^+	Function (monadic)		Menu [NumTh.1] F5	Proper sigma function	Proper sigma function using either a FACTORS matrix or Long integer as input in X Ref : https://v7calc.com/doc/R47/Menu/R47v0_Menu_NumTh_page_1.pdf			
	ϕ_e	Function (monadic)		Menu [NumTh.1] fF2	Euler's totient function	Euler's totient function using either a FACTORS matrix or Long integer as input in X -- see https://en.wikipedia.org/wiki/Euler's_totient_function Ref : https://v7calc.com/doc/R47/Menu/R47v0_Menu_NumTh_page_1.pdf			
Mathematics and text functions	+	Function (dyadic)		Keyboard [+]	Add	Add X to Y ; concatenate X and Y, including numbers, dates and times + strings and vice versa Ref : https://v7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_8.pdf			
	+	Function (dyadic)		Keyboard TAM [+]	Add	Add X to Y ; concatenate X and Y, including numbers, dates and times + strings and vice versa Ref : https://v7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_8.pdf			
	+	Function (dyadic)		Keyboard normalSIM [+]	Add	Add X to Y ; concatenate X and Y, including numbers, dates and times + strings and vice versa Ref : https://v7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_8.pdf			
	+	Function (dyadic)		Keyboard longpress [+]	Add	Add X to Y ; concatenate X and Y, including numbers, dates and times + strings and vice versa Ref : https://v7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_8.pdf			
	+	Function (dyadic)		Keyboard longerpress [+]	Add	Add X to Y ; concatenate X and Y, including numbers, dates and times + strings and vice versa Ref : https://v7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_8.pdf			
Matrix operations	$[M]^T$	Function (monadic)		Menu [MATX.1] F2	Transpose matrix	Transpose matrix in X Ref : https://v7calc.com/doc/R47/Menu/R47v0_Menu_MATX_page_1.pdf			
				Menu [MATX.2] fF3	Transpose matrix	Transpose matrix in X Ref : https://v7calc.com/doc/R47/Menu/R47v0_Menu_MATX_page_2.pdf			
	$[M]^{-1}$	Function (monadic)		Menu [MATX.2] F1	Invert matrix	Invert matrix in X (exists only when $ M \neq 0$) (Shortcut : $[1/x]$; Info : Error 22 -- Singular matrix -- is raised when $ M = 0$) Ref : https://v7calc.com/doc/R47/Menu/R47v0_Menu_MATX_page_2.pdf			
				Menu [ELEC.1] F4	Invert matrix	Invert matrix in X (exists only when $ M \neq 0$) (Shortcut : $[1/x]$; Info : Error 22 -- Singular matrix -- is raised when $ M = 0$) Ref : https://v7calc.com/doc/R47/Menu/R47v0_Menu_ELEC_page_1.pdf			
	>CNCAT<	Command (strike, old)			Concatenate (right)	Old version of the command CNCATR (Info : May be found in older user programs and raises Error 56 -- Function has changed, please replace ; use CNCATR on [MATX.1] fF6 instead)			
	>DET<	Function (monadic, legacy)			Determinant	Legacy version of function $ M $: Determinant of matrix in X (matrix must be square) (Info : Function >DET< is superceded by $ M $ on [MATX.2] F5)			
	>INVRT<	Function (monadic, legacy)			Invert matrix	Legacy version of function $[M]^{-1}$: Invert matrix in X (exists only when $ M \neq 0$) (Info : Function >INVRT< is superceded by $[M]^{-1}$ on [MATX.2] F1)			
	>RCLVEL<	Command (old)			Recall vector element	Old version of the command RCLVEL (Info : May be found in older user programs, use RCLVEL on [MATX.1] gF4 instead)			
	>STOVEL<	Command (old)	0		Store X into vector element	Old version of the command STOVEL (Info : May be found in older user programs, use STOVEL on [MATX.1] gF3 instead)			
	>TRANS<	Function (monadic, legacy)			Transpose matrix	Legacy version of function $[M]^T$: Transpose matrix in X (Info : Function >TRANS< is superceded by $[M]^T$ on [MATX.1] F2)			
	$ M $	Function (monadic)		Menu [MATX.2] F5	Determinant	Determinant of matrix in X (matrix must be square) Ref : https://v7calc.com/doc/R47/Menu/R47v0_Menu_MATX_page_2.pdf			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	$\ x\ _p$	Function (monadic)		Menu [VECTOR.1] ff1	Norm	Norm of vector or matrix in X with parameter p (trailing input) = 0, 1, 2, ..., 9, ∞ : 0 : Number of non-zeros of vector or matrix in X : $\ x\ _0 = \sum_i \mathbb{I}(a_i \neq 0)$, where $\mathbb{I}$ is the indicator function, 1 if true, 0 if false ; 1 : Maximum column sum of absolute element values of a matrix in X : $\ x\ _1 = \max_j \sum_i a_{ij} $; 2 : Euclidean magnitude of a vector in X or Frobenius norm of a matrix in X : $\ x\ _2 = \sqrt{\sum_i \sum_j a_{ij} ^2}$; 3 : $\ x\ _3 = \sqrt[3]{\sum_i \sum_j a_{ij} ^3}$; ... ; 9 : $\ x\ _9 = \sqrt[9]{\sum_i \sum_j a_{ij} ^9}$; ∞ : Maximum row sum of absolute element values of a matrix in X : $\ x\ _\infty = \max_i \sum_j a_{ij} $ (TAM : $\ x\ _p$ _ TamNorm menu ; Info : parameter 0, 1, 2, ..., 9, ∞ (use [TamNorm.1] F2 to enter ∞)) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_VECTOR_page_1.pdf			
				Menu [VECTOR.2] ff1	Norm	Norm of vector or matrix in X with parameter p (trailing input) = 0, 1, 2, ..., 9, ∞ : 0 : Number of non-zeros of vector or matrix in X : $\ x\ _0 = \sum_i \mathbb{I}(a_i \neq 0)$, where $\mathbb{I}$ is the indicator function, 1 if true, 0 if false ; 1 : Maximum column sum of absolute element values of a matrix in X : $\ x\ _1 = \max_j \sum_i a_{ij} $; 2 : Euclidean magnitude of a vector in X or Frobenius norm of a matrix in X : $\ x\ _2 = \sqrt{\sum_i \sum_j a_{ij} ^2}$; 3 : $\ x\ _3 = \sqrt[3]{\sum_i \sum_j a_{ij} ^3}$; ... ; 9 : $\ x\ _9 = \sqrt[9]{\sum_i \sum_j a_{ij} ^9}$; ∞ : Maximum row sum of absolute element values of a matrix in X : $\ x\ _\infty = \max_i \sum_j a_{ij} $ (TAM : $\ x\ _p$ _ TamNorm menu ; Info : parameter 0, 1, 2, ..., 9, ∞ (use [TamNorm.1] F2 to enter ∞)) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_VECTOR_page_2.pdf			
				Menu [MATX.2] ff1	Norm	Norm of vector or matrix in X with parameter p (trailing input) = 0, 1, 2, ..., 9, ∞ : 0 : Number of non-zero of vector or matrix in X : $\ x\ _0 = \sum_i \mathbb{I}(a_i \neq 0)$, where $\mathbb{I}$ is the indicator function, 1 if true, 0 if false ; 1 : Maximum column sum of absolute element values of a matrix in X : $\ x\ _1 = \max_j \sum_i a_{ij} $; 2 : Euclidean magnitude of a vector in X or Frobenius norm of a matrix in X : $\ x\ _2 = \sqrt{\sum_i \sum_j a_{ij} ^2}$; 3 : $\ x\ _3 = \sqrt[3]{\sum_i \sum_j a_{ij} ^3}$; ... ; 9 : $\ x\ _9 = \sqrt[9]{\sum_i \sum_j a_{ij} ^9}$; ∞ : Maximum row sum of absolute element values of a matrix in X : $\ x\ _\infty = \max_i \sum_j a_{ij} $ (TAM : $\ x\ _p$ _ TamNorm menu ; Info : parameter 0, 1, 2, ..., 9, ∞ (use [TamNorm.1] F2 to enter ∞)) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_MATX_page_2.pdf			
	$\angle x, y$	Function (dyadic)		Menu [VECTOR.1] ff4	Vector angle	Angle between the 2D or 3D vectors in X and Y Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_VECTOR_page_1.pdf	3Dxyz	CLEAR	<no annunciator>
				Menu [VECTOR.2] ff4	Vector angle	Angle between the 2D or 3D vectors in X and Y Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_VECTOR_page_2.pdf	3Dxyz	CLEAR	<no annunciator>
				Menu [MATX.2] ff4	Vector angle	Angle between the 2D or 3D vectors in X and Y Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_MATX_page_2.pdf	3Dxyz	CLEAR	<no annunciator>
	$\%2DIM\#$	Function (%2, monadic)		Menu [%2.2] F1	Matrix dimension (X)	Get dimensions of matrix in X ; this is a HP-42S/DM42(n) calculator compatible function Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_%2_page_2.pdf			
	C $\leftrightarrow$ C (M.C $\leftrightarrow$ C)	Command		Menu [MATX.3] ff4	Swap columns	Swap columns X and Y of indexed matrix Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_MATX_page_3.pdf			
	C $\rightarrow$ MAX (M.C $\rightarrow$ MAX)	Function (monadic)		Menu [MATX.3] ff2	Maximum column value	Maximum column value for column (J) of indexed matrix, returns row index (I) in Y and maximum in X (Info : Set starting row and column index using STOIJ before executing C $\rightarrow$ MAX) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_MATX_page_3.pdf			
	C $\leftarrow$ MIN (M.C $\leftarrow$ MIN)	Function (monadic)		Menu [MATX.3] ff1	Minimum column value	Minimum column value for column (J) of indexed matrix, returns row index (I) in Y and minimum in X (Info : Set starting row and column index using STOIJ before executing C $\leftarrow$ MIN) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_MATX_page_3.pdf			
	ENCATB $\leftarrow$ (M.ENCATB)	Command (strike)		Menu [MATX.1] ff5	Concatenate (bottom)	Concatenate matrices (bottom) (TAM : M.ENCTB _ _ Tam menu) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_MATX_page_1.pdf			
	ENCATR $\leftarrow$ (M.ENCATR)	Command (strike)		Menu [MATX.1] ff6	Concatenate (right)	Concatenate matrices (right) (TAM : M.ENCTR _ _ Tam menu) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_MATX_page_1.pdf			
	C $\rightarrow$ NORM	Function (monadic)		Menu [TamNorm.1] ff4	Column or Manhattan norm	Maximum column sum of absolute element values of a matrix in X : $\ x\ _1 = \max_j \sum_i a_{ij} $ (Info : If CNORM is selected from menu [TamNorm.1] ff4, it enters $\ x\ _p$ with parameter 1 : Maximum column sum of absolute element values of a matrix in X : $\ x\ _1 = \max_j \sum_i a_{ij} $) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TamNorm_page_1.pdf			
	COL+1 (M.COL+1)	Command		Menu [M_EDIT.1] F2	Add column	Add column to matrix, at the right edge Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_M_EDIT_page_1.pdf			
				Menu [EDITN (M_EDIT).1] F2	Add column	Add column to matrix, at the right edge Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_EDITN_page_1.pdf			
				Menu [EDIT (M_EDIT).1] F2	Add column	Add column to matrix, at the right edge Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_EDIT_MATX_page_1.pdf			
	C $\rightarrow$ SUM	Command		Menu [MATX.2] F4	Column sum	Column sum of vector or matrix in X : $C\rightarrow SUM = \sum_i a_i$; Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_MATX_page_2.pdf			
	DEL $\leftarrow$ (M.DEL $\leftarrow$)	Command		Menu [M_EDIT.1] g F2	Delete column	Delete column from matrix, at the cursor position Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_M_EDIT_page_1.pdf			
				Menu [EDITN (M_EDIT).1] g F2	Delete column	Delete column from matrix, at the cursor position Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_EDITN_page_1.pdf			
				Menu [EDIT (M_EDIT).1] g F2	Delete column	Delete column from matrix, at the cursor position Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_EDIT_MATX_page_1.pdf			
	DEL $\leftarrow$ R (M.DEL $\leftarrow$ R)	Command		Menu [M_EDIT.1] g F1	Delete row	Delete row from matrix, at the cursor position Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_M_EDIT_page_1.pdf			
				Menu [EDITN (M_EDIT).1] g F1	Delete row	Delete row from matrix, at the cursor position Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_EDITN_page_1.pdf			
				Menu [EDIT (M_EDIT).1] g F1	Delete row	Delete row from matrix, at the cursor position Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_EDIT_MATX_page_1.pdf			
	DIM (M.DIM)	Function (monadic)		Menu [MATX.1] ff2	Dimension (flow)	Set dimension of matrix (named register or variable) to Y rows and X columns ; reflows elements by row and cuts off excess elements or pads with zero elements ; creates a new matrix if necessary (TAM : M.DIM _ _ _ Tam menu ; Info : also see function DIMgr) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_MATX_page_1.pdf			
	DIMgr (M.DIMgr)	Function (monadic)		Menu [MATX.1] ff3	Dimension (grow)	Set dimension of matrix (named register or variable) to Y rows and X columns ; cuts off rows and columns or pads with zero element rows and columns ; creates a new matrix if necessary (TAM : M.DIMgr _ _ _ Tam menu ; Info : also see function DIM) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_MATX_page_1.pdf			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	DIMN# (M.DIMN#)	Command		Menu [INFO.2] F2	Matrix dimension? (named)	Get dimensions of matrix in register or variable (TAM : M.DIMN# __ Tam menu) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_INFO_page_2.pdf			
				Menu [MATX.1] fF4	Matrix dimension? (named)	Get dimensions of matrix in register or variable (TAM : M.DIMN# __ Tam menu) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_MATX_page_1.pdf			
	EIGVAL	Function (monadic)		Menu [MATX.2] gF4	Eigenvalues	Eigenvalues as a 1xn vector (returned in X) and as the diagonal elements of an nxn matrix (returned in Y) ; tolerance set by SDIGS (use value of 10-16 for better performance or higher for better accuracy) (Info : Displays : i/m Tol: current/target Iter: n, where i/m is count of eigenvalues, n is iteration counter ; shown if flag MONIT is SET ; for new models and simulator, extended internal eigenvalue precision with 159-digit type integration was added, achieving 39-digit accuracy for 2x2 and 3x3 solvers, but this is not applicable to DMH2 hardware) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_MATX_page_2.pdf	MONIT	SET	<no annunciator>
	EIGVEC	Function (monadic)		Menu [MATX.2] gF3	Eigenvector	Eigenvector of matrix in X ; tolerance set by SDIGS (use value of 10-16 for better performance or higher for better accuracy) (Info : Displays : i/m Tol: current/target Iter: n, where i/m is count of eigenvalues, n is iteration counter ; shown if flag MONIT is SET ; for new models and simulator, extended internal eigenvalue precision with 159-digit type integration was added, achieving 39-digit accuracy for 2x2 and 3x3 solvers, but this is not applicable to DMH2 hardware) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_MATX_page_2.pdf	MONIT	SET	<no annunciator>
	ENORM	Function (monadic)		Menu [TamNorm.1] fF5	Euclidean or Frobenius norm	Euclidean magnitude of a vector in X or Frobenius norm of a matrix in X : $\ x\ _2 = \sqrt{2} \cdot \sum a_i ^2$ (Info : If ENORM is selected from menu [TamNorm.1] fF5, it enters $\ x\ _p$ with parameter 2 : Euclidean magnitude of a vector in X or Frobenius norm of a matrix in X : $\ x\ _2 = \sqrt{2} \cdot \sum a_i ^2$) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_TamNorm_page_1.pdf			
	FIND (M.FIND)	Function (monadic)		Menu [MATX.3] fF5	Find element	Find element X of indexed matrix, setting row index I and column indexes if found (unchanged otherwise) (Info : If used in a program, the next step after M.FIND is performed if the element is found, otherwise it is skipped) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_MATX_page_3.pdf			
	GETM (M.GETM)	Command		Menu [MATX.3] gF2	Get submatrix	Get submatrix with Y rows and X columns from the indexed matrix starting at current element Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_MATX_page_3.pdf			
	GOTO (M.GOTO)	Command		Menu [M.EDIT.1] F4	Go to matrix element	Go to matrix element using GOTO Row ; GOTO Column ((TAM) : GOTO Row ; GOTO Column) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_M_EDIT_page_1.pdf			
				Menu [EDITN (M.EDIT).1] F4	Go to matrix element	Go to matrix element using GOTO Row ; GOTO Column ((TAM) : GOTO Row ; GOTO Column) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_EDITN_page_1.pdf			
				Menu [EDIT (M.EDIT).1] F4	Go to matrix element	Go to matrix element using GOTO Row ; GOTO Column ((TAM) : GOTO Row ; GOTO Column) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_EDIT_MATX_page_1.pdf			
	GOTO Column	Command			Go to matrix column	Go to matrix column for GOTO (TAM : GOTO Column ____ TamNonReg menu)			
	GOTO Row	Command			Go to matrix row	Go to matrix row for GOTO (TAM : GOTO Row ____ TamNonReg menu)			
	I-row (I-)	Command	<row>	Menu [MATX.3] F2	Decrement row index	Decrement row index I of indexed matrix ; wraps automatically ; does not put value on the stack ; menu button I- on [MATX.3] F2 displays value as subscript (only if indexed matrix exists) (TI : M[I_r J_c]=<name> [<row> <col>]) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_MATX_page_3.pdf			
	I+row (I+)	Command	<row>	Menu [MATX.3] F1	Increment row index	Increment row index I of indexed matrix ; wraps automatically ; does not put value on the stack ; menu button I+ on [MATX.3] F1 displays value as subscript (only if indexed matrix exists) (TI : M[I_r J_c]=<name> [<row> <col>]) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_MATX_page_3.pdf			
	IDENT (M.IDENT)	Command		Menu [MATX.1] fF1	New identity matrix	Create new identity matrix with Y rows and X columns Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_MATX_page_1.pdf			
	INDEX	Command		Menu [MATX.3] fF6	Index matrix	Index matrix in a register or variable ; set row I to 1, column J to 1 ; clear flags WRPED6 and WRPEND ; index wraps automatically, setting these flags ; index is dropped upon exit of matrix editor (TAM : INDEX __ Tam menu ; TI : M[I_r J_c]=<name> [<row> <col>]) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_MATX_page_3.pdf			
	INSC (M.INSC)	Command		Menu [M.EDIT.1] fF2	Insert column	Insert column into matrix, at the cursor position Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_M_EDIT_page_1.pdf			
				Menu [EDITN (M.EDIT).1] fF2	Insert column	Insert column into matrix, at the cursor position Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_EDITN_page_1.pdf			
				Menu [EDIT (M.EDIT).1] fF2	Insert column	Insert column into matrix, at the cursor position Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_EDIT_MATX_page_1.pdf			
	INSR (M.INSR)	Command		Menu [M.EDIT.1] fF1	Insert row	Insert row into matrix, at the cursor position Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_M_EDIT_page_1.pdf			
				Menu [EDITN (M.EDIT).1] fF1	Insert row	Insert row into matrix, at the cursor position Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_EDITN_page_1.pdf			
				Menu [EDIT (M.EDIT).1] fF1	Insert row	Insert row into matrix, at the cursor position Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_EDIT_MATX_page_1.pdf			
	J-col (J-)	Command	<col>	Menu [MATX.3] F5	Decrement column index	Decrement column index J of indexed matrix ; wraps automatically ; does not put value on the stack ; menu button J- on [MATX.3] F5 displays value as subscript (only if indexed matrix exists) (TI : M[I_r J_c]=<name> [<row> <col>]) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_MATX_page_3.pdf			
	J+col (J+)	Command	<col>	Menu [MATX.3] F6	Increment column index	Increment column index J of indexed matrix ; wraps automatically ; does not put value on the stack ; menu button J+ on [MATX.3] F6 displays value as subscript (only if indexed matrix exists) (TI : M[I_r J_c]=<name> [<row> <col>]) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_MATX_page_3.pdf			
	MLLU	Function (monadic)		Menu [MATX.2] gF5	LU decomposition	Decompose matrix in X into lower (L) in Y and upper (U or R) matrix in X ; pivot matrix in Z (Info : LU (LR) factorisation, underlies inversion and linear solving) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_MATX_page_2.pdf			
	MQR	Function (monadic)		Menu [MATX.2] gF6	QR decomposition	Decompose matrix in X into unitary (Q) in Y and upper (R) matrix in X (Info : QR factorisation, underlies eigenvalue computation) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_MATX_page_2.pdf			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	Mat X (Mat_X)	Command		Menu [M_SIMQ.1] F6	Matrix X	Create reserved Matrix variable for the Matrix X (Mat X) ; calculate equation solution vector using menu M_SIMQ ; created after RESET Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_M_SIMQ_page_1.pdf			
				Menu [SIM EQ (M_SIMQ.1)] F8	Matrix X	Create reserved Matrix variable for the Matrix X (Mat X) ; calculate equation solution vector using menu M_SIMQ ; created after RESET Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_SIM_EQ_page_1.pdf			
	MSQRT (M.SQRT)	Function (monadic)		Menu [MATX.2] F2	Square root of matrix	Square root of matrix in X : if $M = \text{MSQRT}(X)$, $M \times M = X$, where $\times$ denotes matrix multiplication (Shortcut : $[\sqrt{X}]$; Info : Error 20 -- No root found or Error 21 -- Matrix mismatch may be raised (the latter when the matrix is not square)) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_MATX_page_2.pdf			
	NEW (M.NEW)	Command (submenu)		Menu [MATX.1] F1	New matrix	Create new matrix with Y rows and X columns Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_MATX_page_1.pdf			
	NNZ	Function (monadic)		Menu [TamNorm.1] fF2	Number of non-zeros	Number of non-zeros of vector or matrix in X : $\ x\ _0 = \sum_i \delta_i(a_i \neq 0)$, where δ is the indicator function, 1 if true, 0 if false (Info : If NNZ is selected from menu [TamNorm.1] fF2, it enters $\ x\ _0$ with parameter 0 : Number of non-zeros of vector or matrix in X : $\ x\ _0 = \sum_i \delta_i(a_i \neq 0)$, where δ is the indicator function, 1 if true, 0 if false) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_TamNorm_page_1.pdf			
	OLD (M.OLD)	Command		Menu [M_EDIT.1] fF4	Old (matrix)	Revert to old element (while editing) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_M_EDIT_page_1.pdf			
				Menu [EDITN (M_EDIT.1)] fF4	Old (matrix)	Revert to old element (while editing) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_EDITN_page_1.pdf			
				Menu [EDIT (M_EDIT.1)] fF4	Old (matrix)	Revert to old element (while editing) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_EDIT_MATX_page_1.pdf			
	PUTM (M.PUTM)	Command		Menu [MATX.3] gF1	Put submatrix	Put submatrix in X into the indexed matrix starting at current element Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_MATX_page_3.pdf			
	$R_{nn} \rightarrow V$	Command		Menu [MATX.1] gF1	Fill matrix from registers	Fill matrix or vector in X from ascending range of registers starting with register nn (TAM), where numbers of registers depends on size of matrix or vector (TAM : $R_{nn} \rightarrow V \dots \text{TamIndirect menu}$; Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Registers.pdf) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_MATX_page_1.pdf	3Dxyz	CLEAR	<no annunciator>
				Menu [$\vec{V} \leftarrow \vec{V}.1$] gF4	Fill matrix from registers	Fill matrix or vector in X from ascending range of registers starting with register nn (TAM), where numbers of registers depends on size of matrix or vector (TAM : $R_{nn} \rightarrow V \dots \text{TamIndirect menu}$; Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Registers.pdf) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_VectorConv_page_1.pdf	3Dxyz	CLEAR	<no annunciator>
	R $\leftrightarrow$ R (M.R $\leftrightarrow$ R)	Command		Menu [MATX.3] fF3	Swap rows	Swap rows X and Y of indexed matrix Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_MATX_page_3.pdf			
	RCLL	Command		Menu [MATX.3] gF4	Recall matrix element	Recall current element of indexed matrix (Shortcut : [RCL] - ...EL ; TI : $M[I_r, J_c] = \langle \text{name} \rangle$ [$\langle \text{row} \rangle \langle \text{col} \rangle =$] Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_MATX_page_3.pdf			
	RCLIJ	Command		Menu [MATX.3] F4	Recall current matrix index	Recall current matrix index (row I and column J) (Shortcut : [RCL] - ...IJ ; TI : $M \langle \text{name} \rangle : I_r = ; M \langle \text{name} \rangle : J_c =$) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_MATX_page_3.pdf			
	RCLSEQ	Command		Menu [MATX.3] gF6	Recall matrix element and go to next	Recall current element of indexed matrix, then increment column index J of indexed matrix ; wraps automatically (TI : $M[I_r, J_c] = \langle \text{name} \rangle$ [$\langle \text{row} \rangle \langle \text{col} \rangle =$] Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_MATX_page_3.pdf			
	RCLVEL	Command		Menu [MATX.1] gF4	Recall vector element	Recall element n (TAM) of vector or matrix in X (Shortcut : [RCL] - ...VEL _{nn} ; TAM : RCLVEL ____ Tam menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_MATX_page_1.pdf			
	RCLVEL ₁	Command		Catalog CAT.FCNS RCLVEL ₁	Recall vector element 1	Recall element 1 of vector or matrix in X			
	RCLVEL ₂	Command		Catalog CAT.FCNS RCLVEL ₂	Recall vector element 2	Recall element 2 of vector or matrix in X			
	RCLVEL ₃	Command		Catalog CAT.FCNS RCLVEL ₃	Recall vector element 3	Recall element 3 of vector or matrix in X			
	RNORM	Function (monadic)		Menu [TamNorm.1] fF3	Row or Maximum norm	Maximum row sum of absolute element values of a matrix in X : $\ x\ _\infty = \max_i \sum_j a_{ij} $ (Info : If RNORM is selected from menu [TamNorm.1] fF3, it enters $\ x\ _\infty$ with parameter ∞ : Maximum row sum of absolute element values of a matrix in X : $\ x\ _\infty = \max_i \sum_j a_{ij} $) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_TamNorm_page_1.pdf			
	ROW+1 (M.ROW+1)	Command		Menu [M_EDIT.1] F1	Add row	Add row to matrix, at the bottom edge Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_M_EDIT_page_1.pdf			
				Menu [EDITN (M_EDIT.1)] F1	Add row	Add row to matrix, at the bottom edge Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_EDITN_page_1.pdf			
				Menu [EDIT (M_EDIT.1)] F1	Add row	Add row to matrix, at the bottom edge Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_EDIT_MATX_page_1.pdf			
	RSUM	Command		Menu [MATX.2] F3	Row sum	Row sum of vector or matrix in X : $\text{RSUM} = \sum_j a_{ij}$ Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_MATX_page_2.pdf			
	STOEL	Command		Menu [MATX.3] gF3	Store X into matrix element	Store X into current element of indexed matrix (Shortcut : [STO] - Config ; TI : $M[I_r, J_c] = \langle \text{name} \rangle$ [$\langle \text{row} \rangle \langle \text{col} \rangle =$] Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_MATX_page_3.pdf			
	STOIJ	Command		Menu [MATX.3] F3	Set current matrix index	Set current matrix index (row I and column J) (Shortcut : [STO] - ...IJ ; TI : $M \langle \text{name} \rangle : I_r = ; M \langle \text{name} \rangle : J_c =$) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_MATX_page_3.pdf			
	STOSEQ	Command		Menu [MATX.3] gF5	Store X into matrix element and go to next	Store X into current element of indexed matrix, then increment column index J of indexed matrix ; wraps automatically (TI : $M[I_r, J_c] = \langle \text{name} \rangle$ [$\langle \text{row} \rangle \langle \text{col} \rangle =$] Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_MATX_page_3.pdf			
	STOVEL	Command		Menu [MATX.1] gF3	Store X into vector element	Store X into element n (TAM) of vector or matrix in Y (Shortcut : [STO] - ...VEL _{nn} ; TAM : STOVEL ____ Tam menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_MATX_page_1.pdf			
	STOVEL ₁	Command		Catalog CAT.FCNS STOVEL ₁	Store X into vector element 1	Store X into element 1 of vector or matrix in Y			
	STOVEL ₂	Command		Catalog CAT.FCNS STOVEL ₂	Store X into vector element 2	Store X into element 2 of vector or matrix in Y			
	STOVEL ₃	Command		Catalog CAT.FCNS STOVEL ₃	Store X into vector element 3	Store X into element 3 of vector or matrix in Y			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	V→R _{nn}	Command		Menu [MATX.1] gF2	Copy elements to registers	Copy elements of matrix or vector in X to ascending range of registers, starting with register nn (TAM), where numbers of registers depends on size of matrix or vector (TAM : V→R _{nn} ... TamIndirect menu ; be careful when using the range of stack registers (100-107) ; Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Registers.pdf Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_MATX_page_1.pdf	3Dxyz	CLEAR	<no annunciator>
				Menu [V→v.1] gF3	Copy elements to registers	Copy elements of matrix or vector in X to ascending range of registers, starting with register nn (TAM), where numbers of registers depends on size of matrix or vector (TAM : V→R _{nn} ... TamIndirect menu ; be careful when using the range of stack registers (100-107) ; Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Registers.pdf Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_VectorConv_page_1.pdf	3Dxyz	CLEAR	<no annunciator>
Measurement	CENTRL	Command (submenu)		Menu [CENTRL (SCATR).1] F1	(Plot) Central	Orthogonal curve fit and show parameters, requires 30 data pairs (Info : Opens the graph mode and (re)starts menu SCATR) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_CENTRL_page_1.pdf			
				Menu [SCATR.1] F1	(Plot) Central	Orthogonal curve fit and show parameters, requires 30 data pairs (Info : Opens the graph mode and (re)starts menu SCATR) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_SCATR_page_1.pdf			
	S _{mi}	Command		Menu [CENTRL (SCATR).1] F2	Precision	Precision of measuring instrument investigated, requires 30 data pairs -- see https://blog.minitab.com/en/real-world-quality-improvement/orthogonal-regression-testing-the-equivalence-of-instruments (TI : S _{mi} =) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_CENTRL_page_1.pdf			
				Menu [SCATR.1] F2	Precision	Precision of measuring instrument investigated, requires 30 data pairs -- see https://blog.minitab.com/en/real-world-quality-improvement/orthogonal-regression-testing-the-equivalence-of-instruments (TI : S _{mi} =) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_SCATR_page_1.pdf			
Navigation	↑	Command		Keyboard normalSIM [Up]	Up	Scroll up for menus and browser screens or backstep through program steps (Info : To assign ↑ to a key or button, use ASN (g[DRG]) and spell the name as 'Up' ; Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Assignment.pdf) Ref : https://n7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_6.pdf			
	↑	Command		Keyboard [↑]	Up	Scroll up for menus and browser screens or backstep through program steps (Info : To assign ↑ to a key or button, use ASN (g[DRG]) and spell the name as 'Up' ; Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Assignment.pdf) Ref : https://n7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_6.pdf			
	↑	Command		Keyboard TAM [↑]	Up	Scroll up for menus and browser screens or backstep through program steps (Info : To assign ↑ to a key or button, use ASN (g[DRG]) and spell the name as 'Up' ; Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Assignment.pdf) Ref : https://n7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_6.pdf			
	↓	Command		Keyboard normalSIM [Down]	Down	Scroll down for menus and browser screens or single step through program steps (Info : To assign ↓ to a key or button, use ASN (g[DRG]) and spell the name as 'DOWN' ; Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Assignment.pdf) Ref : https://n7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_7.pdf			
	↓	Command		Keyboard [↓]	Down	Scroll down for menus and browser screens or single step through program steps (Info : To assign ↓ to a key or button, use ASN (g[DRG]) and spell the name as 'DOWN' ; Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Assignment.pdf) Ref : https://n7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_7.pdf			
	↓	Command		Keyboard TAM [↓]	Down	Scroll down for menus and browser screens or single step through program steps (Info : To assign ↓ to a key or button, use ASN (g[DRG]) and spell the name as 'DOWN' ; Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Assignment.pdf) Ref : https://n7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_7.pdf			
	EXIT	Command		Keyboard [EXIT]	Exit	Exit (Info : To assign EXIT to a key or button, use ASN (g[DRG]) and spell the name as 'EXIT' ; Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Assignment.pdf) Ref : https://n7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_8.pdf			
	EXIT	Command		Keyboard alpha [EXIT]	Exit	Exit (Info : To assign EXIT to a key or button, use ASN (g[DRG]) and spell the name as 'EXIT' ; Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Assignment.pdf) Ref : https://n7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_8.pdf			
	EXIT	Command		Keyboard TAM [EXIT]	Exit	Exit (Info : To assign EXIT to a key or button, use ASN (g[DRG]) and spell the name as 'EXIT' ; Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Assignment.pdf) Ref : https://n7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_8.pdf			
	EXIT	Command		Keyboard #TAM [EXIT]	Exit	Exit (Info : To assign EXIT to a key or button, use ASN (g[DRG]) and spell the name as 'EXIT' ; Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Assignment.pdf) Ref : https://n7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_8.pdf			
	EXIT	Command		Keyboard normalSIM [Esc]	Exit	Exit (Info : To assign EXIT to a key or button, use ASN (g[DRG]) and spell the name as 'EXIT' ; Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Assignment.pdf) Ref : https://n7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_8.pdf			
	EXIT	Command		Keyboard alphaSIM [Esc]	Exit	Exit (Info : To assign EXIT to a key or button, use ASN (g[DRG]) and spell the name as 'EXIT' ; Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Assignment.pdf) Ref : https://n7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_8.pdf			
Number bases	#B	Function (monadic)		Menu [BITS.1] fF4	Get number of bits set	Get number of bits set Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_BITS_page_1.pdf			
				Menu [BASE2.2] gF2	Get number of bits set	Get number of bits set Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_BASE2_page_2.pdf			
	B.SWP	Function (monadic)		Menu [BASE.2] fF5	Byte swap	Swap bytes Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_BASE_page_2.pdf			
	BS?	Command (logical)		Menu [BITS.1] gF2	Bit set?	Test bit n is set (TAM : BS? ... TamNonReg menu) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_BITS_page_1.pdf			
				Menu [BASE2.2] gF5	Bit set?	Test bit n is set (TAM : BS? ... TamNonReg menu) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_BASE2_page_2.pdf			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	CB	Function (monadic)		Menu [BITS.1] gF4	Clear bit	Clear bit n (TAM : CB ___ TamNonReg menu) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_BITS_page_1.pdf			
				Menu [BASE2.2] gF4	Clear bit	Clear bit n (TAM : CB ___ TamNonReg menu) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_BASE2_page_2.pdf			
	SB	Function (monadic)		Menu [BITS.1] gF1	Set bit	Set bit n (TAM : SB ___ TamNonReg menu) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_BITS_page_1.pdf			
				Menu [BASE2.2] gF3	Set bit	Set bit n (TAM : SB ___ TamNonReg menu) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_BASE2_page_2.pdf			
	SL	Function (monadic)		Menu [BITS.2] F1	Shift Left (1)	Shortcut to Shift Left (1 bit) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_BITS_page_2.pdf			
				Menu [BITSHFT (BITS).1] F1	Shift Left (1)	Shortcut to Shift Left (1 bit) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_BITSHFT_page_1.pdf			
	SLn	Function (monadic)		Menu [BITS.2] fF1	Shift Left	Shift Left with number of bits (trailing input) (TAM : SLn ___ TamNonReg menu) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_BITS_page_2.pdf			
				Menu [BASE2.1] gF2	Shift Left	Shift Left with number of bits (trailing input) (TAM : SLn ___ TamNonReg menu) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_BASE2_page_1.pdf			
				Menu [BITSHFT (BITS).1] fF1	Shift Left	Shift Left with number of bits (trailing input) (TAM : SLn ___ TamNonReg menu) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_BITSHFT_page_1.pdf			
	SR	Function (monadic)		Menu [BITS.2] F2	Shift Right (1)	Shortcut to Shift Right (1 bit) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_BITS_page_2.pdf			
				Menu [BITSHFT (BITS).1] F2	Shift Right (1)	Shortcut to Shift Right (1 bit) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_BITSHFT_page_1.pdf			
	SRn	Function (monadic)		Menu [BITS.2] fF2	Shift Right	Shift Right with number of bits (trailing input) (TAM : SRn ___ TamNonReg menu) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_BITS_page_2.pdf			
				Menu [BASE2.1] gF3	Shift Right	Shift Right with number of bits (trailing input) (TAM : SRn ___ TamNonReg menu) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_BASE2_page_1.pdf			
				Menu [BITSHFT (BITS).1] fF2	Shift Right	Shift Right with number of bits (trailing input) (TAM : SRn ___ TamNonReg menu) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_BITSHFT_page_1.pdf			
	W.SWP	Function (monadic)		Menu [BASE.2] fF6	Word swap	Swap words Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_BASE_page_2.pdf			
Numeric input	-f	Command (nonpgm)		Menu [Prefix.1] fF5	femto	Factor 10 ⁻¹⁵ Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Prefix_page_1.pdf			
	-G	Command (nonpgm)		Menu [Prefix.1] F3	Giga	Factor 10 ⁹ Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Prefix_page_1.pdf			
	-Gi	Command (nonpgm)		Menu [Prefix.1] gF3	Giga binary	Factor 10 ³⁰ Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Prefix_page_1.pdf			
	-k	Command (nonpgm)		Menu [Prefix.1] F1	kilo	Factor 10 ³ Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Prefix_page_1.pdf			
				Menu [FLoads.1] F6	kilo	Factor 10 ³ Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_FLoads_page_1.pdf			
				Menu [MLoads.1] F6	kilo	Factor 10 ³ Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MLoads_page_1.pdf			
				Menu [MatPrp.1] F6	kilo	Factor 10 ³ Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MatPrp_page_1.pdf			
				Menu [PLoads.1] F6	kilo	Factor 10 ³ Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_PLoads_page_1.pdf			
				Menu [SecPrp.1] F6	kilo	Factor 10 ³ Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_SecPrp_page_1.pdf			
	-Ki	Command (nonpgm)		Menu [Prefix.1] gF1	Kilo binary	Factor 10 ¹⁰ Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Prefix_page_1.pdf			
	-M	Command (nonpgm)		Menu [Prefix.1] F2	Mega	Factor 10 ⁶ Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Prefix_page_1.pdf			
	-m	Command (nonpgm)		Menu [Prefix.1] fF1	milli	Factor 10 ⁻³ Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Prefix_page_1.pdf			
				Menu [FLoads.1] F5	milli	Factor 10 ⁻³ Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_FLoads_page_1.pdf			
				Menu [MLoads.1] F5	milli	Factor 10 ⁻³ Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MLoads_page_1.pdf			
				Menu [MatPrp.1] F5	milli	Factor 10 ⁻³ Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MatPrp_page_1.pdf			
				Menu [PLoads.1] F5	milli	Factor 10 ⁻³ Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_PLoads_page_1.pdf			
				Menu [SecPrp.1] F5	milli	Factor 10 ⁻³ Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_SecPrp_page_1.pdf			
	-Mi	Command (nonpgm)		Menu [Prefix.1] gF2	Mega binary	Factor 10 ²⁰ Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Prefix_page_1.pdf			
	-n	Command (nonpgm)		Menu [Prefix.1] fF3	nano	Factor 10 ⁻⁹ Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Prefix_page_1.pdf			
	-P	Command (nonpgm)		Menu [Prefix.1] F5	Peta	Factor 10 ¹⁵ Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Prefix_page_1.pdf			
	-p	Command (nonpgm)		Menu [Prefix.1] fF4	pico	Factor 10 ⁻¹² Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Prefix_page_1.pdf			
	-Pi	Command (nonpgm)		Menu [Prefix.1] gF5	Peta binary	Factor 10 ⁵⁰ Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Prefix_page_1.pdf			
	-T	Command (nonpgm)		Menu [Prefix.1] F4	Tera	Factor 10 ¹² Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Prefix_page_1.pdf			
	-Ti	Command (nonpgm)		Menu [Prefix.1] gF4	Tera binary	Factor 10 ⁴⁰ Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Prefix_page_1.pdf			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	µ	Command (nonpgm)		Menu [Prefix.1] fF2	micro	Factor 10^{-6} Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_Prefix_page_1.pdf			
	CHS	Function (monadic)		Keyboard [CHS]	Change sign	Change sign of number or time value in X (Info : CHS does not copy input to LASTx ; 0. CHS returns -0. provided flag SPCRES is SET) Ref : https://n7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_4.pdf			
	CHS	Function (monadic)		Keyboard normalSIM [n]	Change sign	Change sign of number or time value in X (Info : CHS does not copy input to LASTx ; 0. CHS returns -0. provided flag SPCRES is SET) Ref : https://n7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_4.pdf			
	CLN	Command			Clear number	Clear numeric input buffer (Shortcut : NIM long [4])			
	EEX	Command		Keyboard [EEX]	Enter exponent	Enter exponent (decimal input, powers of 10) Ref : https://n7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_4.pdf			
	EEX	Command		Keyboard normalSIM [e]	Enter exponent	Enter exponent (decimal input, powers of 10) Ref : https://n7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_4.pdf			
Plotting	-ZOOM ₀	Command	0	Menu [HPL0T.1] F2	Zoom out on y-axis	Decrease zoom level on the y-axis (range -16 to +16) (Info : <0 : zoom out ; 0 : normal ; >0 : zoom in ; -ZOOM resets ↑Y and ↑Y to zero) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_HPL0T_page_1.pdf			
			0	Menu [Draw ₀ (PLFUNC).1] gF1	Zoom out on y-axis	Decrease zoom level on the y-axis (range -16 to +16) (Info : <0 : zoom out ; 0 : normal ; >0 : zoom in ; -ZOOM resets ↑Y and ↑Y to zero) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_DrawYX_page_1.pdf			
			0	Menu [Draw (PLFUNC).1] gF1	Zoom out on y-axis	Decrease zoom level on the y-axis (range -16 to +16) (Info : <0 : zoom out ; 0 : normal ; >0 : zoom in ; -ZOOM resets ↑Y and ↑Y to zero) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_Draw_page_1.pdf			
			0	Menu [ASSESS.1] F2	Zoom out on y-axis	Decrease zoom level on the y-axis (range -16 to +16) (Info : <0 : zoom out ; 0 : normal ; >0 : zoom in ; -ZOOM resets ↑Y and ↑Y to zero) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_ASSESS_page_1.pdf			
			0	Menu [PLSTAT.1] gF1	Zoom out on y-axis	Decrease zoom level on the y-axis (range -16 to +16) (Info : <0 : zoom out ; 0 : normal ; >0 : zoom in ; -ZOOM resets ↑Y and ↑Y to zero) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_PLSTAT_page_1.pdf			
			0	Menu [PLTFCNS (PLFUNC).1] gF1	Zoom out on y-axis	Decrease zoom level on the y-axis (range -16 to +16) (Info : <0 : zoom out ; 0 : normal ; >0 : zoom in ; -ZOOM resets ↑Y and ↑Y to zero) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_PLTFCNS_page_1.pdf			
	+ZOOM ₀	Command	0	Menu [Draw ₀ (PLFUNC).1] gF2	Zoom in on y-axis	Increase zoom level on the y-axis (range -16 to +16) (Info : <0 : zoom out ; 0 : normal ; >0 : zoom in ; +ZOOM resets ↑Y and ↑Y to zero) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_DrawYX_page_1.pdf			
			0	Menu [Draw (PLFUNC).1] gF2	Zoom in on y-axis	Increase zoom level on the y-axis (range -16 to +16) (Info : <0 : zoom out ; 0 : normal ; >0 : zoom in ; +ZOOM resets ↑Y and ↑Y to zero) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_Draw_page_1.pdf			
			0	Menu [PLSTAT.1] gF2	Zoom in on y-axis	Increase zoom level on the y-axis (range -16 to +16) (Info : <0 : zoom out ; 0 : normal ; >0 : zoom in ; +ZOOM resets ↑Y and ↑Y to zero) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_PLSTAT_page_1.pdf			
			0	Menu [PLTFCNS (PLFUNC).1] gF2	Zoom in on y-axis	Increase zoom level on the y-axis (range -16 to +16) (Info : <0 : zoom out ; 0 : normal ; >0 : zoom in ; +ZOOM resets ↑Y and ↑Y to zero) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_PLTFCNS_page_1.pdf			
	LISTXY	Command		Menu [Draw ₀ (PLFUNC).3] gF2	List graph coordinates	List the actual STATS graph coordinates (7 digit floating point) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_DrawYX_page_3.pdf			
				Menu [Draw (PLFUNC).3] gF2	List graph coordinates	List the actual STATS graph coordinates (7 digit floating point) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_Draw_page_3.pdf			
				Menu [PLTFCNS (PLFUNC).3] gF2	List graph coordinates	List the actual STATS graph coordinates (7 digit floating point) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_PLTFCNS_page_3.pdf			
	PLTRST	Command (PEM)		Menu [P.FN1.1] gF5	Reset plot	Reset all plot options and redraw graph (Info : Resets options for lines, boxes, crosses, plusses and scaling ; PLTRST also resets ↓Y and ↑Y to zero) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_P-FN1_page_1.pdf			
				Menu [Draw ₀ (PLFUNC).1] fF2	Reset plot	Reset all plot options and redraw graph (Info : Resets options for lines, boxes, crosses, plusses and scaling ; PLTRST also resets ↓Y and ↑Y to zero) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_DrawYX_page_1.pdf			
				Menu [Draw (PLFUNC).1] fF2	Reset plot	Reset all plot options and redraw graph (Info : Resets options for lines, boxes, crosses, plusses and scaling ; PLTRST also resets ↓Y and ↑Y to zero) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_Draw_page_1.pdf			
				Menu [PLSTAT.1] fF2	Reset plot	Reset all plot options and redraw graph (Info : Resets options for lines, boxes, crosses, plusses and scaling ; PLTRST also resets ↓Y and ↑Y to zero) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_PLSTAT_page_1.pdf			
				Menu [PLTFCNS (PLFUNC).1] fF2	Reset plot	Reset all plot options and redraw graph (Info : Resets options for lines, boxes, crosses, plusses and scaling ; PLTRST also resets ↓Y and ↑Y to zero) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_PLTFCNS_page_1.pdf			
Plotting and curve fitting	AllF	Command		Menu [MODEL.1] gF2	Set all (models)	Set <BestF> to include all curve fitting models (511) ; deselects OrthoF (TI : L.R. selected to 511) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_MODEL_page_1.pdf			
	BestF#	Command		Menu [MODEL.1] gF4	Get Best Fit	Get parameter for which models are selected in the LR analysis (Info : Set in menu MODEL) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_MODEL_page_1.pdf			
				Menu [INFO.2] fF5	Get Best Fit	Get parameter for which models are selected in the LR analysis (Info : Set in menu MODEL) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_INFO_page_2.pdf			
	cov	Command		Menu [REGR.1] F4	Fit model covariance	Fit model covariance Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_REGR_page_1.pdf			
	L.R.	Command		Menu [MODEL.1] F5	Linear Regression	Calculate all selected regression models, and select the one with the best coefficient of fit model correlation (r) (TI : <models> a ₂ = ; y = a ₁ = ; <formula> a ₀ =) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_MODEL_page_1.pdf			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
				Menu [REGR.1] F1	Linear Regression	Calculate all selected regression models, and select the one with the best coefficient of fit model correlation (r) (TI : <model> * a ₂ = ; y = a ₁ = ; <formula> a ₀ =) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_REGR_page_1.pdf			
	LR:a0	Command		Menu [REGR.1] gF1	Retrieve LR-param a ₀	Retrieve linear regression parameter a ₀ and show formula and parameter name (TI : y = <formula> : a ₀ =) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_REGR_page_1.pdf			
	LR:a1	Command		Menu [REGR.1] gF2	Retrieve LR-param a ₁	Retrieve linear regression parameter a ₁ and show formula and parameter name (TI : y = <formula> : a ₁ =) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_REGR_page_1.pdf			
	LR:a2	Command		Menu [REGR.1] gF3	Retrieve LR-param a ₂	Retrieve linear regression parameter a ₂ and show formula and parameter name (TI : y = <formula> : a ₂ =) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_REGR_page_1.pdf			
	NXTFIT	Command (cyclic, nonpgm)		Menu [ASSESS.1] F1	Next fit	Assess next curve fitting (cyclic) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_ASSESS_page_1.pdf			
	r (CORR)	Command		Menu [REGR.1] F2	Fit model correlation	Fit model correlation Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_REGR_page_1.pdf			
	ResetF	Command		Menu [MODEL.1] gF1	Reset fitting	Reset <BestF> to default (1) (TI : LR. selected to 001) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_MODEL_page_1.pdf			
	s(a)	Command		Menu [REGR.1] fF1	Standard errors	Standard errors of line fitted ; s(a ₀) in X ; s(a ₁) in Y (Info : Works for ExpF ; LinF ; LogF ; OrthoF ; PowerF ; does not work for CauchF ; GaussF ; HypF ; ParaBF ; RootF) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_REGR_page_1.pdf			
	s _{xy}	Command		Menu [REGR.1] F3	s _{xy}	Sample covariance Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_REGR_page_1.pdf			
	ŷ	Command		Menu [REGR.1] F6	y hat	Estimation of y Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_REGR_page_1.pdf			
	ẋ	Command		Menu [REGR.1] F5	x hat	Estimation of x Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_REGR_page_1.pdf			
Plotting and statistics	↑BIN	Command		Menu [HIST.1] F5	High bin	High bin (TI : ↑BIN ; ↓BIN ; nBINS :) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_HIST_page_1.pdf			
	↓BIN	Command		Menu [HIST.1] F3	Low bin	Low bin (TI : ↑BIN ; ↓BIN ; nBINS :) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_HIST_page_1.pdf			
	HISTOX	Command		Menu [HIST.1] F1	Histogram X	Evaluate first column of STATS and store in HISTO (TI : ↑BIN ; ↓BIN ; nBINS :) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_HIST_page_1.pdf			
	HISTOY	Command		Menu [HIST.1] F2	Histogram Y	Evaluate second column of STATS and store in HISTO (TI : ↑BIN ; ↓BIN ; nBINS :) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_HIST_page_1.pdf			
	HNORM	Command		Menu [HPLLOT.1] F1	Histogram Normal	Fit Gauss distribution through HISTO data (programmable) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_HPLLOT_page_1.pdf			
	nBINS	Command		Menu [HIST.1] F4	Number of bins	Number of bins in histogram (TI : ↑BIN ; ↓BIN ; nBINS :) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_HIST_page_1.pdf			
Power conversions	hp _e →W	Function (monadic, linked)		Menu [Power.1] F1	hp _e to W	Convert electrical horsepower to Watt (TI : W _e) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Power_page_1.pdf	CONV _{hp}	SET	<no annunciator>
	hp _m →W	Function (monadic, linked)		Menu [Power.1] F5	hp _m to W	Convert metric horsepower to Watt (TI : W _e) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Power_page_1.pdf	CONV _{hp}	SET	<no annunciator>
	hp _{uk} →W	Function (monadic, linked)		Menu [Power.1] F3	hp _{uk} to W	Convert UK horsepower to Watt (TI : W _e) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Power_page_1.pdf	CONV _{hp}	SET	<no annunciator>
	W→hp _e	Function (monadic, linked)		Menu [Power.1] F2	W to hp _e	Convert Watt to electrical horsepower (TI : hp _e) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Power_page_1.pdf	CONV _{hp}	SET	<no annunciator>
	W→hp _m	Function (monadic, linked)		Menu [Power.1] F6	W to hp _m	Convert Watt to metric horsepower (TI : hp _m) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Power_page_1.pdf	CONV _{hp}	SET	<no annunciator>
	W→hp _{uk}	Function (monadic, linked)		Menu [Power.1] F4	W to hp _{uk}	Convert Watt to UK horsepower (TI : hp _{uk}) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Power_page_1.pdf	CONV _{hp}	SET	<no annunciator>
Pressure conversions	atm→Pa	Function (monadic, linked)		Menu [F&p.1] fF1	atm to Pa	Convert atmosphere to Pascal (TI : Pa) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_F-and-p_page_1.pdf	CONV _{hp}	SET	<no annunciator>
	bar→Pa	Function (monadic, linked)		Menu [F&p.1] gF1	bar to Pa	Convert bar to Pascal (TI : Pa) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_F-and-p_page_1.pdf	CONV _{hp}	SET	<no annunciator>
	inHg→Pa	Function (monadic, linked)		Menu [F&p.1] F3	inHg to Pa	Convert inch of Mercury to Pascal (TI : Pa) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_F-and-p_page_1.pdf	CONV _{hp}	SET	<no annunciator>
	ksi→MPa	Function (monadic, linked)		Menu [MatPrp.1] fF1	ksi to MPa	Convert kilo-pound force per square inch to MegaPascal (TI : MPa) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_MatPrp_page_1.pdf	CONV _{hp}	SET	<no annunciator>
	lbf/ft ² →Pa	Function (monadic, linked)		Menu [PLoads.1] F1	lbf/ft ² to Pa	Convert pound force per square foot to Pascal (TI : Pa) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_PLoads_page_1.pdf	CONV _{hp}	SET	<no annunciator>
	mmHg→Pa	Function (monadic, linked)		Menu [F&p.1] F1	mmHg to Pa	Convert millimetre of Mercury to Pascal (TI : Pa) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_F-and-p_page_1.pdf	CONV _{hp}	SET	<no annunciator>
	MPa→ksi	Function (monadic, linked)		Menu [MatPrp.1] fF2	MPa to ksi	Convert MegaPascal to kilo-pound force per square inch (TI : ksi) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_MatPrp_page_1.pdf	CONV _{hp}	SET	<no annunciator>
	Pa→atm	Function (monadic, linked)		Menu [F&p.1] fF2	Pa to atm	Convert Pascal to atmosphere (TI : atm) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_F-and-p_page_1.pdf	CONV _{hp}	SET	<no annunciator>
	Pa→bar	Function (monadic, linked)		Menu [F&p.1] gF2	Pa to bar	Convert Pascal to bar (TI : bar) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_F-and-p_page_1.pdf	CONV _{hp}	SET	<no annunciator>
	Pa→inHg	Function (monadic, linked)		Menu [F&p.1] F4	Pa to inHg	Convert Pascal to inch of Mercury (TI : inHg) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_F-and-p_page_1.pdf	CONV _{hp}	SET	<no annunciator>
	Pa→lbf/ft ²	Function (monadic, linked)		Menu [PLoads.1] F2	Pa to lbf/ft ²	Convert Pascal to pound force per square foot (TI : lbf/ft ²) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_PLoads_page_1.pdf	CONV _{hp}	SET	<no annunciator>
	Pa→mmHg	Function (monadic, linked)		Menu [F&p.1] F2	Pa to mmHg	Convert Pascal to millimetre of Mercury (TI : mmHg) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_F-and-p_page_1.pdf	CONV _{hp}	SET	<no annunciator>
	Pa→psi	Function (monadic, linked)		Menu [F&p.1] fF4	Pa to psi	Convert Pascal to pound force per square inch (TI : psi) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_F-and-p_page_1.pdf	CONV _{hp}	SET	<no annunciator>

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
				Menu [MatPrp.:1] F2	Pa to psi	Convert Pascal to pound force per square inch (TI : psi) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MatPrp_page_1.pdf	CONV _{HP}	SET	<no annunciator>
				Menu [PLoads.:1] F4	Pa to psi	Convert Pascal to pound force per square inch (TI : psi) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_PLoads_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	Pa→torr	Function (monadic, linked)		Menu [F&p.:1] gF4	Pa to torr	Convert Pascal to torr (TI : torr) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_F-and-p_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	psi→Pa	Function (monadic, linked)		Menu [F&p.:1] fF3	psi to Pa	Convert pound force per square inch to Pascal (TI : Pa) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_F-and-p_page_1.pdf	CONV _{HP}	SET	<no annunciator>
				Menu [MatPrp.:1] F1	psi to Pa	Convert pound force per square inch to Pascal (TI : Pa) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MatPrp_page_1.pdf	CONV _{HP}	SET	<no annunciator>
				Menu [PLoads.:1] F3	psi to Pa	Convert pound force per square inch to Pascal (TI : Pa) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_PLoads_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	torr→Pa	Function (monadic, linked)		Menu [F&p.:1] gF3	torr to Pa	Convert torr to Pascal (TI : Pa) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_F-and-p_page_1.pdf	CONV _{HP}	SET	<no annunciator>
Printing	>▯#<	Command (old)			Print byte	Old version of the command ▯# that used a different programming parameter (Info : May be found in older user programs, use ▯# on [PRINT.1] fF3 instead)			
	>▯CHAR<	Command (old)			Print character	Old version of the command ▯CHAR that used a different programming parameter (Info : May be found in older user programs, use ▯CHAR on [PRINT.1] fF5 instead)			
	>▯TAB<	Command (old)			Print column	Old version of the command ▯TAB that used a different programming parameter (Info : May be found in older user programs, use ▯TAB on [PRINT.2] F5 instead)			
	▯#	Command		Menu [PRINT.1] fF3	Print byte	Print single byte (value 0-255), to be used as character or ESC sequence (TAM : ▯# ____ TamNonReg menu ; Info : SBI ▯ is shown if flag SBprn is SET) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_PRINT_page_1.pdf			
	▯ADV	Command		Menu [PRINT.1] F1	Printer advance	Advance print paper, after printing the contents of the print buffer (Info : SBI ▯ is shown if flag SBprn is SET) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_PRINT_page_1.pdf			
				Menu [PRINT.2] F1	Printer advance	Advance print paper, after printing the contents of the print buffer (Info : SBI ▯ is shown if flag SBprn is SET) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_PRINT_page_2.pdf			
	▯ALLr	Command		Menu [PRINT.2] fF4	Print all registers	Print all registers, labeled ; prints a listing of all global and currently allocated local registers (if any) (Info : [EXIT] or [R/S] can be pressed at any time to stop the listing ; If ▯OFF, writes all registers to file in DATA/<YYYYMMDD-HHMMSS00>.REGS.TSV ; SBI ▯ is shown if flag SBprn is SET) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_PRINT_page_2.pdf			
	▯CHAR	Command		Menu [PRINT.1] fF5	Print character	Print single character from Unicode value specified in a register or variable (TAM : ▯CHAR ____ Tam menu ; Info : only characters in the R47 standard font are supported ; SBI ▯ is shown if flag SBprn is SET) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_PRINT_page_1.pdf			
	▯DELAY#	Command		Menu [INFO.1] fF5	Get printer delay	Get printer delay Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_INFO_page_1.pdf			
	▯ITEMS	Command (SIM)		Menu [PRINT.2] gF2	Print all items	Print all items (for testing purposes on simulator only, not available on hardware) (Info : [EXIT] or [R/S] can be pressed at any time to stop the listing ; If ▯OFF, writes all items to file in DATA/<YYYYMMDD-HHMMSS00>.REGS.TSV ; SBI ▯ is shown if flag SBprn is SET) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_PRINT_page_2.pdf			
	▯LCD	Command (strike)		Menu [PRINT.2] fF6	Print LCD	Print LCD display ; on the Martel, the full LCD can be printed, but on the 82240 this has not been implemented yet ; note that printing graphics is slow (Info : If ▯OFF, ▯LCD works like SNAP ; writes LCD screenshot to file SCREENS/<YYYYMMDD-HHMMSS00>.bmp and writes stack to file DATA/<YYYYMMDD-HHMMSS00>.REGS.TSV ; SBI ▯ is shown if flag SBprn is SET) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_PRINT_page_2.pdf			
	▯LIST	Command (nonpgm)		Menu [PRINT.1] fF6	Print list	Print specified number of lines of current program (TAM : ▯LIST ____ TamNonReg menu ; Info : [EXIT] or [R/S] can be pressed at any time to stop the listing ; in printer mode Trace, the program listing is printed in condensed form ; SBI ▯ is shown if flag SBprn is SET) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_PRINT_page_1.pdf			
	▯PROG	Command (nonpgm)		Menu [PRINT.1] F6	Print program	Print program, with date and time printed at the top of the listing (TAM : ▯PROG _ TamLb1Only menu ; Info : If ▯OFF, executes XPORTP ; [EXIT] or [R/S] can be pressed at any time to stop the listing ; in printer mode Trace, the program listing is printed in condensed form ; SBI ▯ is shown if flag SBprn is SET) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_PRINT_page_1.pdf			
	▯r	Command		Menu [PRINT.1] F4	Print register or variable	Print single register or variable, labeled with the register or variable name (TAM : ▯r ____ Tam menu ; Info : if ▯OFF, writes register or variable to file in DATA/<YYYYMMDD-HHMMSS00>.REGS.TSV ; SBI ▯ is shown if flag SBprn is SET) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_PRINT_page_1.pdf			
	▯REGS	Command		Menu [PRINT.2] F4	Print registers	Print registers, using range number in X (sss.nn means registers from sss through sss + nn - 1) (Info : [EXIT] or [R/S] can be pressed at any time to stop the listing ; If ▯OFF, writes registers to file in DATA/<YYYYMMDD-HHMMSS00>.REGS.TSV ; SBI ▯ is shown if flag SBprn is SET) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_PRINT_page_2.pdf			
	▯STK	Command		Menu [PRINT.1] F2	Print stack	Print stack registers, labeled, in TZYX or DCBATZYX order, depending on stack size set by SSIZER (Info : If ▯OFF, writes stack to file in DATA/<YYYYMMDD-HHMMSS00>.REGS.TSV ; SBI ▯ ; 8 ; 4 is shown if flag SBprn is SET) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_PRINT_page_1.pdf	SSIZE8	SET	8 ; 4
	▯TAB	Command		Menu [PRINT.2] F5	Print column	Position print head to print column nnn (HP-82240 : 1-166 columns, Martel : 1-384 columns) (TAM : ▯TAB ____ Tam menu ; Info : SBI ▯ is shown if flag SBprn is SET) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_PRINT_page_2.pdf			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	USER	Command		Menu [PRINT.2] F6	Print user items	Print user items : variable names and values and a list of global program labels and program numbers (Info : [EXIT] or [R/S] can be pressed at any time to stop the listing ; SBI SBI is shown if flag SBprn is SET) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_PRINT_page_2.pdf			
	WIDTH	Command (strike)		Menu [PRINT.2] FF5	Printer width	Number of columns used to print a string specified in a register or variable (Info : The number of columns returned depends on the printer type selected and (possibly) on MODE ; SBI SBI is shown if flag SBprn is SET) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_PRINT_page_2.pdf			
	X	Command		Menu [PRINT.1] F3	Print X	Print X register, marked with *** (Info : If OFF , writes X to file in DATA/<YYYYMMDD-HHMMSS00>.REGS.TSV ; SBI SBI is shown if flag SBprn is SET) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_PRINT_page_1.pdf			
	XFN	Command (strike)		Menu [PRINT.2] FF3	Print XFN	Print all digits of $X \times Y + Z$ for Virtual compound data type (0/1.0-1.5 ; 0/1.0 ; 0/1.0), used in extended accuracy functions (menu XFCNS) (Info : If OFF , writes XFN to file in DATA/<YYYYMMDD-HHMMSS00>.REGS.TSV ; SBI SBI is shown if flag SBprn is SET) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_PRINT_page_2.pdf			
	xy	Command		Menu [PRINT.2] F3	Print X and Y	Print X and Y registers on the same line, X on the left, Y on the right ; a 2xn or nx2 matrix is printed in two columns ; maximum 11 characters per column including number sign and separator(s) ; this is very limited for Complex numbers (Info : If OFF , writes X and Y to file in DATA/<YYYYMMDD-HHMMSS00>.REGS.TSV ; SBI SBI is shown if flag SBprn is SET) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_PRINT_page_2.pdf			
	α	Command		Menu [PRINT.1] F5	Print alpha	Print contents of register or variable as text (Info : If OFF , α writes alpha to file in DATA/<YYYYMMDD-HHMMSS00>.REGS.TSV ; SBI SBI is shown if flag SBprn is SET) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_PRINT_page_1.pdf			
	Σ	Command		Menu [PRINT.2] F2	Print summation registers	Print summation registers, labeled (Info : SBI SBI is shown if flag SBprn is SET) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_PRINT_page_2.pdf			
Probability	P_{YX} (PERM)	Function (dyadic)		Menu [PROB.1] F4	Permutations	Permutations of X out of Y Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_PROB_page_1.pdf			
				Menu [FCNS.3] F1	Permutations	Permutations of X out of Y Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_FCNS_EQN_page_3.pdf			
	$\text{RAN}\#$	Command		Menu [PROB.1] F1	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) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_PROB_page_1.pdf			
	$\text{RAN1}\#$	Function (dyadic)		Menu [PROB.1] F2	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) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_PROB_page_1.pdf			
	SEED	Command		Menu [PROB.1] FF1	Seed	Set seed for the pseudo random number generators $\text{RAN}\#$ and $\text{RAN1}\#$ (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) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_PROB_page_1.pdf			
Probability (int)	Binom_p	Function (monadic)		Menu [Binom.1] F1	Binomial pmf	Binomial probability mass function Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Binom_page_1.pdf			
	Binom_L	Function (monadic)		Menu [Binom.1] F3	Binomial cdf (lower)	Binomial cumulative distribution (lower tail) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Binom_page_1.pdf			
	Binom_U	Function (monadic)		Menu [Binom.1] F4	Binomial cdf (upper)	Binomial cumulative distribution (upper tail) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Binom_page_1.pdf			
	Binom^{-1}	Function (monadic)		Menu [Binom.1] F6	Binomial qf (inverse)	Binomial inverse cumulative distribution (quantile) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Binom_page_1.pdf			
	DisU_p	Function (monadic)		Menu [DisUni.1] F1	Discrete uniform pmf	Discrete uniform probability mass function Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_DisUni_page_1.pdf			
	DisU_L	Function (monadic)		Menu [DisUni.1] F3	Discrete uniform cdf (lower)	Discrete uniform cumulative distribution (lower tail) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_DisUni_page_1.pdf			
	DisU_U	Function (monadic)		Menu [DisUni.1] F4	Discrete uniform cdf (upper)	Discrete uniform cumulative distribution (upper tail) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_DisUni_page_1.pdf			
	DisU^{-1}	Function (monadic)		Menu [DisUni.1] F6	Discrete uniform qf (inverse)	Discrete uniform inverse cumulative distribution (quantile) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_DisUni_page_1.pdf			
	Geom_p	Function (monadic)		Menu [Geom.1] F1	Geometric pmf	Geometric probability mass function Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Geom_page_1.pdf			
	Geom_L	Function (monadic)		Menu [Geom.1] F3	Geometric cdf (lower)	Geometric cumulative distribution (lower tail) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Geom_page_1.pdf			
	Geom_U	Function (monadic)		Menu [Geom.1] F4	Geometric cdf (upper)	Geometric cumulative distribution (upper tail) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Geom_page_1.pdf			
	Geom^{-1}	Function (monadic)		Menu [Geom.1] F6	Geometric qf (inverse)	Geometric inverse cumulative distribution (quantile) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Geom_page_1.pdf			
	Hyper_p	Function (monadic)		Menu [Hyper.1] F1	Hypergeometric pmf	Hypergeometric probability mass function Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Hyper_page_1.pdf			
	Hyper_L	Function (monadic)		Menu [Hyper.1] F3	Hypergeometric cdf (lower)	Hypergeometric cumulative distribution (lower tail) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Hyper_page_1.pdf			
	Hyper_U	Function (monadic)		Menu [Hyper.1] F4	Hypergeometric cdf (upper)	Hypergeometric cumulative distribution (upper tail) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Hyper_page_1.pdf			
	Hyper^{-1}	Function (monadic)		Menu [Hyper.1] F6	Hypergeometric qf (inverse)	Hypergeometric inverse cumulative distribution (quantile) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Hyper_page_1.pdf			
	NBin_p	Function (monadic)		Menu [Binom.1] FF1	Negative binomial pmf	Negative binomial probability mass function Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Binom_page_1.pdf			
	NBin_L	Function (monadic)		Menu [Binom.1] FF3	Negative binomial cdf (lower)	Negative binomial cumulative distribution (lower tail) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Binom_page_1.pdf			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	NBin _A	Function (monadic)		Menu [Binom.:1] fF4	Negative binomial cdf (upper)	Negative binomial cumulative distribution (upper tail) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Binom_page_1.pdf			
	NBin ⁻¹	Function (monadic)		Menu [Binom.:1] fF6	Negative binomial qf (inverse)	Negative binomial inverse cumulative distribution (quantile) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Binom_page_1.pdf			
	Poiss _p	Function (monadic)		Menu [Poiss.:1] F1	Poisson pmf	Poisson probability mass function Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Poiss_page_1.pdf			
	Poiss _A	Function (monadic)		Menu [Poiss.:1] F3	Poisson cdf (lower)	Poisson cumulative distribution (lower tail) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Poiss_page_1.pdf			
	Poiss _A	Function (monadic)		Menu [Poiss.:1] F4	Poisson cdf (upper)	Poisson cumulative distribution (upper tail) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Poiss_page_1.pdf			
	Poiss ⁻¹	Function (monadic)		Menu [Poiss.:1] F6	Poisson qf (inverse)	Poisson inverse cumulative distribution (quantile) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Poiss_page_1.pdf			
	ST0 _M a	Command		Menu [DisUni.:1] gF1	Store a in M	Store parameter a : lower limit in register M (Split screen : RegM = a =) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_DisUni_page_1.pdf			
				Menu [Uniform.:1] gF1	Store a in M	Store parameter a : lower limit in register M (Split screen : RegM = a =) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Uniform_page_1.pdf			
	ST0 _M N	Command		Menu [Hyper.:1] gF1	Store N in M	Store parameter N : population size in register M (Split screen : RegM = N =) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Hyper_page_1.pdf			
	ST0 _K b	Command		Menu [DisUni.:1] gF2	Store b in N	Store parameter b : upper limit in register N (Split screen : RegN = b =) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_DisUni_page_1.pdf			
				Menu [Uniform.:1] gF2	Store b in N	Store parameter b : upper limit in register N (Split screen : RegN = b =) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Uniform_page_1.pdf			
	ST0 _K n	Command		Menu [Binom.:1] gF2	Store n in N	Store parameter n : number of samples in register N (Split screen : RegN = n =) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Binom_page_1.pdf			
				Menu [Hyper.:1] gF2	Store n in N	Store parameter n : number of samples in register N (Split screen : RegN = n =) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Hyper_page_1.pdf			
	ST0 _p p	Command		Menu [Binom.:1] gF1	Store p in P	Store parameter p : probability in register P (Split screen : RegP = p =) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Binom_page_1.pdf			
				Menu [Geom.:1] gF1	Store p in P	Store parameter p : probability in register P (Split screen : RegP = p =) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Geom_page_1.pdf			
	ST0 _q K	Command		Menu [Hyper.:1] gF3	Store K in Q	Store parameter K : number of special items in the pool in register Q (Split screen : RegQ = K =) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Hyper_page_1.pdf			
Probability (real)	(χ^2) ⁻¹	Function (monadic)		Menu [χ^2 .:1] F6	Chi-squared qf (inverse)	Chi-squared inverse cumulative distribution (quantile) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Chi2_page_1.pdf			
	Cauch _p	Function (monadic)		Menu [Cauch.:1] F1	Cauchy pdf	Cauchy probability density function Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Cauch_page_1.pdf			
	Cauch _A	Function (monadic)		Menu [Cauch.:1] F3	Cauchy cdf (lower)	Cauchy cumulative distribution (lower tail) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Cauch_page_1.pdf			
	Cauch _A	Function (monadic)		Menu [Cauch.:1] F4	Cauchy cdf (upper)	Cauchy cumulative distribution (upper tail) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Cauch_page_1.pdf			
	Cauch ⁻¹	Function (monadic)		Menu [Cauch.:1] F6	Cauchy qf (inverse)	Cauchy inverse cumulative distribution (quantile) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Cauch_page_1.pdf			
	Expon _p	Function (monadic)		Menu [Expon.:1] F1	Exponential pdf	Exponential probability density function Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Expon_page_1.pdf			
	Expon _A	Function (monadic)		Menu [Expon.:1] F3	Exponential cdf (lower)	Exponential cumulative distribution (lower tail) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Expon_page_1.pdf			
	Expon _A	Function (monadic)		Menu [Expon.:1] F4	Exponential cdf (upper)	Exponential cumulative distribution (upper tail) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Expon_page_1.pdf			
	Expon ⁻¹	Function (monadic)		Menu [Expon.:1] F6	Exponential qf (inverse)	Exponential inverse cumulative distribution (quantile) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Expon_page_1.pdf			
	F _p (x)	Function (monadic)		Menu [F.:1] F1	Fisher's F pdf	Fisher's F probability density function Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_F_page_1.pdf			
	F _A (x)	Function (monadic)		Menu [F.:1] F3	Fisher's F cdf (lower)	Fisher's F cumulative distribution (lower tail) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_F_page_1.pdf			
	F _A (x)	Function (monadic)		Menu [F.:1] F4	Fisher's F cdf (upper)	Fisher's F cumulative distribution (upper tail) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_F_page_1.pdf			
	F ⁻¹ (p)	Function (monadic)		Menu [F.:1] F6	Fisher's F qf (inverse)	Fisher's F inverse cumulative distribution (quantile) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_F_page_1.pdf			
	GEV _p	Function (monadic)		Menu [GEV.:1] F1	Generalised extreme value pdf	Generalised extreme value probability density function Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_GEV_page_1.pdf			
	GEV _A	Function (monadic)		Menu [GEV.:1] F3	Generalised extreme value cdf (lower)	Generalised extreme value cumulative distribution (lower tail) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_GEV_page_1.pdf			
	GEV _A	Function (monadic)		Menu [GEV.:1] F4	Generalised extreme value cdf (upper)	Generalised extreme value cumulative distribution (upper tail) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_GEV_page_1.pdf			
	GEV ⁻¹	Function (monadic)		Menu [GEV.:1] F6	Generalised extreme value qf (inverse)	Generalised extreme value inverse cumulative distribution (quantile) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_GEV_page_1.pdf			
	LgNrm _p	Function (monadic)		Menu [Norml.:1] fF1	Log normal pdf	Log normal probability density function Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Norml_page_1.pdf			
	LgNrm _A	Function (monadic)		Menu [Norml.:1] fF3	Log normal cdf (lower)	Log normal cumulative distribution (lower tail) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Norml_page_1.pdf			
	LgNrm _A	Function (monadic)		Menu [Norml.:1] fF4	Log normal cdf (upper)	Log normal cumulative distribution (upper tail) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Norml_page_1.pdf			
	LgNrm ⁻¹	Function (monadic)		Menu [Norml.:1] fF6	Log normal qf (inverse)	Log normal inverse cumulative distribution (quantile) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Norml_page_1.pdf			
	Logis _p	Function (monadic)		Menu [Logis.:1] F1	Logistic pdf	Logistic probability density function Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Logis_page_1.pdf			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	Logis _L	Function (monadic)		Menu [Logis:1] F3	Logistic cdf (lower)	Logistic cumulative distribution (lower tail) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Logis_page_1.pdf			
	Logis _U	Function (monadic)		Menu [Logis:1] F4	Logistic cdf (upper)	Logistic cumulative distribution (upper tail) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Logis_page_1.pdf			
	Logis ⁻¹	Function (monadic)		Menu [Logis:1] F6	Logistic qf (inverse)	Logistic inverse cumulative distribution (quantile) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Logis_page_1.pdf			
	Norml _P	Function (monadic)		Menu [Norml:1] F1	Normal pdf	Normal probability density function Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Norml_page_1.pdf			
	Norml _L	Function (monadic)		Menu [Norml:1] F3	Normal cdf (lower)	Normal cumulative distribution (lower tail) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Norml_page_1.pdf			
	Norml _U	Function (monadic)		Menu [Norml:1] F4	Normal cdf (upper)	Normal cumulative distribution (upper tail) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Norml_page_1.pdf			
	Norml ⁻¹	Function (monadic)		Menu [Norml:1] F6	Normal qf (inverse)	Normal inverse cumulative distribution (quantile) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Norml_page_1.pdf			
	Prto _P	Function (monadic)		Menu [Pareto:1] F1	Pareto type I pdf	Pareto type I probability density function Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Pareto_page_1.pdf			
	Prto _L	Function (monadic)		Menu [Pareto:1] F3	Pareto type I cdf (lower)	Pareto type I cumulative distribution (lower tail) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Pareto_page_1.pdf			
	Prto _U	Function (monadic)		Menu [Pareto:1] F4	Pareto type I cdf (upper)	Pareto type I cumulative distribution (upper tail) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Pareto_page_1.pdf			
	Prto _{2P}	Function (monadic)		Menu [Pareto:1] F F1	Pareto type II pdf	Pareto type II probability density function Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Pareto_page_1.pdf			
	Prto _{2L}	Function (monadic)		Menu [Pareto:1] F F3	Pareto type II cdf (lower)	Pareto type II cumulative distribution (lower tail) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Pareto_page_1.pdf			
	Prto _{2U}	Function (monadic)		Menu [Pareto:1] F F4	Pareto type II cdf (upper)	Pareto type II cumulative distribution (upper tail) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Pareto_page_1.pdf			
	Prto ₂ ⁻¹	Function (monadic)		Menu [Pareto:1] F F6	Pareto type II qf (inverse)	Pareto type II inverse cumulative distribution (quantile) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Pareto_page_1.pdf			
	Prto ⁻¹	Function (monadic)		Menu [Pareto:1] F6	Pareto type I qf (inverse)	Pareto type I inverse cumulative distribution (quantile) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Pareto_page_1.pdf			
	ST0 _M d ₁	Command		Menu [F:1] g F1	Store d ₁ in M	Store parameter d ₁ : degree of freedom in register M (Split screen : RegM = d ₁ =) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_F_page_1.pdf			
	ST0 _M x ₀	Command		Menu [Cauch:1] g F1	Store x ₀ in M	Store parameter x ₀ : location in register M (Split screen : RegM = x ₀ =) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Cauch_page_1.pdf			
	ST0 _M μ	Command		Menu [Logis:1] g F1	Store μ in M	Store parameter μ : location in register M (Split screen : RegM = μ =) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Logis_page_1.pdf			
				Menu [Norml:1] g F1	Store μ in M	Store parameter μ : location in register M (Split screen : RegM = μ =) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Norml_page_1.pdf			
				Menu [GEV:1] g F1	Store μ in M	Store parameter μ : location in register M (Split screen : RegM = μ =) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_GEV_page_1.pdf			
				Menu [Pareto:1] g F1	Store μ in M	Store parameter μ : location in register M (Split screen : RegM = μ =) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Pareto_page_1.pdf			
	ST0 _M v	Command		Menu [χ ² :1] g F1	Store v in M	Store parameter v : degrees of freedom in register M (Split screen : RegM = v =) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Ch2_page_1.pdf			
				Menu [t:1] g F1	Store v in M	Store parameter v : degrees of freedom in register M (Split screen : RegM = v =) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_t_page_1.pdf			
	ST0 _M d ₂	Command		Menu [F:1] g F2	Store d ₂ in N	Store parameter d ₂ : degree of freedom in register N (Split screen : RegN = d ₂ =) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_F_page_1.pdf			
	ST0 _Q k	Command		Menu [Weibl:1] g F1	Store k in Q	Store parameter k : shape in register Q (Split screen : RegQ = k =) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Weibl_page_1.pdf			
	ST0 _Q α	Command		Menu [Pareto:1] g F3	Store α in Q	Store parameter α : shape in register Q (Split screen : RegQ = α =) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Pareto_page_1.pdf			
	ST0 _Q ξ	Command		Menu [GEV:1] g F3	Store ξ in Q	Store parameter ξ : shape in register Q (Split screen : RegQ = ξ =) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_GEV_page_1.pdf			
	ST0 _R λ	Command		Menu [Expon:1] g F1	Store λ in R	Store parameter λ : rate parameter in register R (Split screen : RegR = λ =) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Expon_page_1.pdf			
				Menu [Pois:1] g F1	Store λ in R	Store parameter λ : rate parameter in register R (Split screen : RegR = λ =) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Pois_page_1.pdf			
	ST0 _S s	Command		Menu [Logis:1] g F2	Store s in S	Store parameter s : scale in register S (Split screen : RegS = s =) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Logis_page_1.pdf			
	ST0 _S γ	Command		Menu [Cauch:1] g F2	Store γ in S	Store parameter γ : scale in register S (Split screen : RegS = γ =) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Cauch_page_1.pdf			
	ST0 _S λ	Command		Menu [Weibl:1] g F2	Store λ in S	Store parameter λ : scale in register S (Split screen : RegS = λ =) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Weibl_page_1.pdf			
	ST0 _S α	Command		Menu [Norml:1] g F2	Store α in S	Store parameter α : scale in register S (Split screen : RegS = α =) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Norml_page_1.pdf			
				Menu [GEV:1] g F2	Store α in S	Store parameter α : scale in register S (Split screen : RegS = α =) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_GEV_page_1.pdf			
				Menu [Pareto:1] g F2	Store α in S	Store parameter α : scale in register S (Split screen : RegS = α =) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Pareto_page_1.pdf			
	t _P (x)	Function (monadic)		Menu [t:1] F1	Student's t pdf	Student's t probability density function Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_t_page_1.pdf			
	t _L (x)	Function (monadic)		Menu [t:1] F3	Student's t cdf (lower)	Student's t cumulative distribution (lower tail) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_t_page_1.pdf			
	t _U (x)	Function (monadic)		Menu [t:1] F4	Student's t cdf (upper)	Student's t cumulative distribution (upper tail) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_t_page_1.pdf			
	t ⁻¹ (p)	Function (monadic)		Menu [t:1] F6	Student's t qf (inverse)	Student's t inverse cumulative distribution (quantile) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_t_page_1.pdf			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	Unfm _p	Function (monadic)		Menu [Uniform.1] F1	Uniform pdf	Uniform probability density function Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_Uniform_page_1.pdf			
	Unfm _e	Function (monadic)		Menu [Uniform.1] F3	Uniform cdf (lower)	Uniform cumulative distribution (lower tail) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_Uniform_page_1.pdf			
	Unfm _u	Function (monadic)		Menu [Uniform.1] F4	Uniform cdf (upper)	Uniform cumulative distribution (upper tail) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_Uniform_page_1.pdf			
	Unfm ⁻¹	Function (monadic)		Menu [Uniform.1] F6	Uniform qf (inverse)	Uniform inverse cumulative distribution (quantile) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_Uniform_page_1.pdf			
	Weibl _p	Function (monadic)		Menu [Weibls.1] F1	Weibull pdf	Weibull probability density function Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_Weibl_page_1.pdf			
	Weibl _e	Function (monadic)		Menu [Weibls.1] F3	Weibull cdf (lower)	Weibull cumulative distribution (lower tail) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_Weibl_page_1.pdf			
	Weibl _u	Function (monadic)		Menu [Weibls.1] F4	Weibull cdf (upper)	Weibull cumulative distribution (upper tail) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_Weibl_page_1.pdf			
	Weibl ⁻¹	Function (monadic)		Menu [Weibls.1] F6	Weibull qf (inverse)	Weibull inverse cumulative distribution (quantile) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_Weibl_page_1.pdf			
	Φ _p	Function (monadic)		Menu [Φ.1] F1	Standard normal pdf	Standard normal probability density function Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_StdNorml_page_1.pdf			
	Φ _e	Function (monadic)		Menu [Φ.1] F3	Standard normal cdf (lower)	Standard normal cumulative distribution (lower tail) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_StdNorml_page_1.pdf			
	Φ _u	Function (monadic)		Menu [Φ.1] F4	Standard normal cdf (upper)	Standard normal cumulative distribution (upper tail) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_StdNorml_page_1.pdf			
	Φ ⁻¹	Function (monadic)		Menu [Φ.1] F6	Standard normal qf (inverse)	Standard normal inverse cumulative distribution (quantile) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_StdNorml_page_1.pdf			
	χ _p ² (x)	Function (monadic)		Menu [χ ² .1] F1	Chi-squared pdf chi2	Chi-squared probability density function Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_Chi2_page_1.pdf			
	χ _e ² (x)	Function (monadic)		Menu [χ ² .1] F3	Chi-squared cdf (lower) chi2	Chi-squared cumulative distribution (lower tail) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_Chi2_page_1.pdf			
	χ _u ² (x)	Function (monadic)		Menu [χ ² .1] F4	Chi-squared cdf (upper) chi2	Chi-squared cumulative distribution (upper tail) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_Chi2_page_1.pdf			
Programming	±∞?	Command (logical)		Menu [TEST.3] gF4	Infinites?	Test X contains positive or negative infinite value Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TEST_page_3.pdf			
	>MSG<	Command (PEM, old)			Message	Old version of the command MSG that used indirect addressing (Info : May be found in older user programs and raises Error 56 -- Function has changed, please replace ; use MSG on [P.FN1.1] fF1 instead)			
	AGRAPH	Command (PEM)		Menu [P.FN1.1] gF3	Alpha graphics	Show a 64 column pattern according to variable GRAM00 (OR: 0 ; SET: 1 ; OFF: 2 ; XOR: 3) ; this command will be redesigned and should not be used in programming! (TAM : AGRAPH __ Tam menu) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_P-FN1_page_1.pdf			
	ANGLE?	Command (logical)		Menu [TEST.3] gF2	Angle?	Test type of X is Angle (1.1-1.5) (Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Datatypes.pdf) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TEST_page_3.pdf			
	AVIEW	Command (PEM)		Menu [P.FN1.1] F2	Alpha view	View the register or variable contents (text string) in the top left part of the screen, without TI (for use in Program Entry Mode) ; if the contents include the ⌘ symbol, optionally display one or more TI's at the top, X, Y, Z line ; example: "top line = ⌘ X = ⌘ Y = ⌘ Z = " (TAM : AVIEW __ Tam menu ; Info : if ⌘ACT is SET, AVIEW will print when executed from the keyboard in MAN, NORM or TRACE ; in Program Entry Mode, ⌘EN must be SET as well ; if ⌘ACT is CLEAR and ⌘EN is SET, AVIEW halts execution (R/S)) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_P-FN1_page_1.pdf			
	BACK	Command (PEM)		Menu [P.FN3.1] fF2	Back	Jumps back n steps in program (TAM : BACK __ TamNonReg menu) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_P-FN3_page_1.pdf			
	⇐ (BST)	Command (nonpgm)		Keyboard f[⇐]	Backstep	Backstep (Shortcut : [⇐]) Ref : https://n7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_6.pdf			
	ℂ?	Command (logical)		Menu [TEST.2] F4	Complex number?	Test type of X is Complex number (2.0-2.5) (Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Datatypes.pdf) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TEST_page_2.pdf			
	CASE	Command (PEM)		Menu [P.FN3.1] gF2	Case	Case statement, skips number of steps given by chosen variable (normally followed by number of GTO statements) (TAM : CASE __ Tam menu) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_P-FN3_page_1.pdf			
	CF	Command		Menu [FLAG.1] F6	Clear flag	Clear flag (TAM : CF __ TamFlag menu) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_FLAG_page_1.pdf			
	ℂmatx?	Command (logical)		Menu [TEST.2] gF4	Complex matrix or vector?	Test type of X is Complex matrix or vector (7.n) (Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Datatypes.pdf) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TEST_page_2.pdf			
	Config?	Command (logical)		Menu [TEST.2] gF6	Config?	Test type of X is Config (9) (Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Datatypes.pdf) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TEST_page_2.pdf			
	CONVG?	Command (logical)		Menu [TEST.1] gF6	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://n7calc.com/doc/RN7/Reference/RN7v0_CONVG_param.pdf) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TEST_page_1.pdf			
	D?	Command (logical)		Menu [TEST.2] F5	Date?	Test type of X is Date (4) (Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Datatypes.pdf) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TEST_page_2.pdf			
	DECR	Command		Menu [LOOP.1] fF1	Decrement	Decrement range number in register or variable (ccc.fffdd, where ccc is counter, fff is final value, dd is decrement), by decrement (TAM : DECR __ Tam menu) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_LOOP_page_1.pdf			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	DSE	Command		Menu [LOOP.1] F1	Decrement skip on equal	Decrement skip on equal, using range number in register or variable (ccc.ffffd, where ccc is counter, fff is final value, dd is decrement) (TAM : DSE __ Tam menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_LOOP_page_1.pdf			
	DSL	Command		Menu [LOOP.1] F3	Decrement skip on less	Decrement skip on less, using range number in register or variable (ccc.ffffd, where ccc is counter, fff is final value, dd is decrement) (TAM : DSL __ Tam menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_LOOP_page_1.pdf			
	DSZ	Command		Menu [LOOP.1] F2	Decrement skip on zero	Decrement skip on zero, using range number in register or variable (ccc.ffffd, where ccc is counter, fff is final value, dd is decrement) (TAM : DSZ __ Tam menu ; Info : time values may be used as the range number, decrement is one hour) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_LOOP_page_1.pdf			
	END	Command (PEM)		Menu [P.FN.1] F5	End	End statement Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_P-FN_page_1.pdf			
				Menu [P.FN3.1] F5	End	End statement Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_P-FN3_page_1.pdf			
	ENTRY?	Command (logical)		Menu [TEST.1] gF1	(Data) entry?	Test internal entry flag for data entry Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_TEST_page_1.pdf			
	ERR	Command (PEM)		Menu [P.FN1.1] ff2	Error	Raise error and show error message (TAM : ERR __ TamNonReg menu ; Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Errors_and_messages.pdf) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_P-FN1_page_1.pdf			
	EVEN?	Command (logical)		Menu [TEST.3] ff1	Even?	Test X is even and integer (test function INT? is true) (Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Datatypes.pdf) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_TEST_page_3.pdf			
	EXITall	Command (PEM)		Menu [P.FN2.1] ff5	Exit all	Exit all menus ; return to MyMenu (Normal Mode) ; exit VarMNU (program execution) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_P-FN2_page_1.pdf			
	FC?	Command (logical)		Menu [FLAG.1] F5	Flag clear?	Test flag clear? (TAM : FC? __ TamFlag menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_FLAG_page_1.pdf			
	FC7C	Command (logical)		Menu [FLAG.1] ff6	Flag clear? and clear	Test flag clear? and clear (TAM : FC7C __ TamFlag menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_FLAG_page_1.pdf			
	FC7F	Command (logical)		Menu [FLAG.1] ff4	Flag clear? and flip	Test flag clear? and flip (TAM : FC7F __ TamFlag menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_FLAG_page_1.pdf			
	FC7S	Command (logical)		Menu [FLAG.1] ff5	Flag clear? and set	Test flag clear? and set (TAM : FC7S __ TamFlag menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_FLAG_page_1.pdf			
	FF	Command		Menu [BITS.1] gF5	Flip flag	Flip flag (toggle) (TAM : FF __ TamFlag menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_BITS_page_1.pdf			
				Menu [FLAG.1] F3	Flip flag	Flip flag (toggle) (TAM : FF __ TamFlag menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_FLAG_page_1.pdf			
				Menu [MyM.9] F4	Flip flag	Flip flag (toggle) (TAM : FF __ TamFlag menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_MyMenu_page_9.pdf			
				Menu [MyM.10] F4	Flip flag	Flip flag (toggle) (TAM : FF __ TamFlag menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_MyMenu_page_1.pdf			
				Menu [BITSET.1] gF5	Flip flag	Flip flag (toggle) (TAM : FF __ TamFlag menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_BITSET_page_1.pdf			
				Menu [BASE.1] gF5	Flip flag	Flip flag (toggle) (TAM : FF __ TamFlag menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_BASE_page_1.pdf			
				Menu [BASE.2] gF5	Flip flag	Flip flag (toggle) (TAM : FF __ TamFlag menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_BASE_page_2.pdf			
				Menu [BITS.2] gF5	Flip flag	Flip flag (toggle) (TAM : FF __ TamFlag menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_BITS_page_2.pdf			
				Menu [BITSHIFT (BITS).1] gF5	Flip flag	Flip flag (toggle) (TAM : FF __ TamFlag menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_BITSHIFT_page_1.pdf			
	FP?	Command (logical)		Menu [TEST.3] F1	Fractional Part?	Test X has nonzero fractional part and is Real number (1.0-1.5) (test function R? is true) (Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Datatypes.pdf) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_TEST_page_3.pdf			
	FS?	Command (logical)		Menu [FLAG.1] F2	Flag set?	Test flag set? (TAM : FS? __ TamFlag menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_FLAG_page_1.pdf			
	FS7C	Command (logical)		Menu [FLAG.1] ff2	Flag set? and clear	Test flag set? and clear (TAM : FS7C __ TamFlag menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_FLAG_page_1.pdf			
	FS7F	Command (logical)		Menu [FLAG.1] ff3	Flag set? and flip	Test flag set? and flip (TAM : FS7F __ TamFlag menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_FLAG_page_1.pdf			
	FS7S	Command (logical)		Menu [FLAG.1] ff1	Flag set? and set	Test flag set? and set (TAM : FS7S __ TamFlag menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_FLAG_page_1.pdf			
	GT0	Command (PEM)		Menu [P.FN.1] F2	Go to	Go to global or local label ; GT0. to go to (local) label or step ; GT0.. to move the program pointer to the end of program memory ; GT0↑ to go to the start of the (previous) program or jump to the start of program memory ; GT0↓ to go to the next program or jump to the end of program memory (TAM : GT0 __ TamLabel menu ; Info : GT0 + TAM [XEQ] to enter global GT0 '_. TamAlpha menu ; GT0 + button : on [TamLabel.1] F3 to enter GT0 '_. TamLocalLabel menu for easy access to local labels a-l, D-F or local named labels (additionally pressing button α on [TamLocalLabel.1] F3 or TAM [XEQ] to enter GT0 '_. TamAlpha menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_P-FN_page_1.pdf			
				Menu [P.FN3.1] F2	Go to	Go to global or local label ; GT0. to go to (local) label or step ; GT0.. to move the program pointer to the end of program memory ; GT0↑ to go to the start of the (previous) program or jump to the start of program memory ; GT0↓ to go to the next program or jump to the end of program memory (TAM : GT0 __ TamLabel menu ; Info : GT0 + TAM [XEQ] to enter global GT0 '_. TamAlpha menu ; GT0 + button : on [TamLabel.1] F3 to enter GT0 '_. TamLocalLabel menu for easy access to local labels a-l, D-F or local named labels (additionally pressing button α on [TamLocalLabel.1] F3 or TAM [XEQ] to enter GT0 '_. TamAlpha menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_P-FN3_page_1.pdf			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	GT0	Command (PEM)		Keyboard g [XEQ]	Go to	Go to global or local label ; GT0. to go to (local) label or step ; GT0.. to move the program pointer to the end of program memory ; GT0↑ to go to the start of the (previous) program or jump to the start of program memory ; GT0+ to go to the next program or jump to the end of program memory (TAM : GT0 ___ TamLabel menu ; Info : GT0 + TAM [XEQ] to enter global GT0 '_. TamAlpha menu ; GT0 + button : on [TamLabel.1]F3 to enter GT0 :- TamLocalLabel menu for easy access to local labels a-l, D-F or local named labels (additionally pressing button α on [TamLocalLabel.1]F3 or TAM [XEQ] to enter GT0 :- TamAlpha menu)) Ref : https://n7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_5.pdf			
	GT0	Command (PEM)		Keyboard longerpress [XEQ]	Go to	Go to global or local label ; GT0. to go to (local) label or step ; GT0.. to move the program pointer to the end of program memory ; GT0↑ to go to the start of the (previous) program or jump to the start of program memory ; GT0+ to go to the next program or jump to the end of program memory (TAM : GT0 ___ TamLabel menu ; Info : GT0 + TAM [XEQ] to enter global GT0 '_. TamAlpha menu ; GT0 + button : on [TamLabel.1]F3 to enter GT0 :- TamLocalLabel menu for easy access to local labels a-l, D-F or local named labels (additionally pressing button α on [TamLocalLabel.1]F3 or TAM [XEQ] to enter GT0 :- TamAlpha menu)) Ref : https://n7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_5.pdf			
	Im=0?	Command (logical)		Menu [TEST.3]F4	Zero imaginary part?	Test X has imaginary part equal to zero Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TEST_page_3.pdf			
	Im≠0?	Command (logical)		Menu [TEST.3]FF4	Non-zero imaginary part?	Test X has imaginary part not equal to zero Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TEST_page_3.pdf			
	INCR	Command		Menu [LOOP.1]FF6	Increment	Increment range number in register or variable (ccc.fffii, where ccc is counter, fff is final value, ii is increment), by increment (TAM : INCR ___ Tam menu) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_LOOP_page_1.pdf			
	INPUT	Command (PEM)		Menu [P.FN1.1]F1	Input	Halt program execution, push current value, prompt and accept input for register or variable (TAM : INPUT ___ Tam menu) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_P-FN1_page_1.pdf			
	INT?	Command (logical)		Menu [TEST.3]F2	Integer?	Test X is short integer (8.02-8.16), long integer (0) or Real number (1.0-1.5) with zero fractional part (test function SINT?, LINT? or R? is true) (Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Datatypes.pdf) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TEST_page_3.pdf			
	ISE	Command		Menu [LOOP.1]F4	Increment skip on equal	Increment skip on equal, using range number in register or variable (ccc.fffii, where ccc is counter, fff is final value, ii is increment) (TAM : ISE ___ Tam menu) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_LOOP_page_1.pdf			
	ISG	Command		Menu [LOOP.1]F6	Increment skip on greater	Increment skip on greater, using range number in register or variable (ccc.fffii, where ccc is counter, fff is final value, ii is increment) (TAM : ISG ___ Tam menu) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_LOOP_page_1.pdf			
	ISZ	Command		Menu [LOOP.1]F5	Increment skip on zero	Increment skip on zero, using range number in register or variable (ccc.fffii, where ccc is counter, fff is final value, ii is increment) (TAM : ISZ ___ Tam menu ; Info : time values may be used as the range number, increment is one hour) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_LOOP_page_1.pdf			
	KEY	Command (PEM)			Key	Used in Program Entry Mode to specify soft button (1-18) of the Programmable MENU, forming program step for KEYG → KEY nn GT0 ; KEYX → KEY nn XEQ (TAM : KEY ___ TamKey menu)			
	KEY?	Command (logical, PEM)		Menu [TEST.1]gF2	Key pressed?	Test key was pressed : if it is NOT pressed, the next program step 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 to 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://n7calc.com/doc/RN7/Reference/RN7v0_KeyType.pdf) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TEST_page_1.pdf			
				Menu [P.FN1.1]fF4	Key pressed?	Test key was pressed : if it is NOT pressed, the next program step 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 to 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://n7calc.com/doc/RN7/Reference/RN7v0_KeyType.pdf) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_P-FN1_page_1.pdf			
	KEYG	Command (PEM)		Menu [P.FN2.1]F1	Key Go to	Used in Program Entry Mode to specify the label to go to when soft button (1-18) of the Programmable MENU, [*] (19), [+/-] (20) or [EXIT] (21) is pressed ; if button 1-18 is specified, KEYG also creates a soft button in the Programmable MENU with the string in X as a label (TAM : KEYG → KEY ___ TamKey menu ; KEY nn GT0 ___ TamLabel menu) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_P-FN2_page_1.pdf			
	KEYX	Command (PEM)		Menu [P.FN2.1]F2	Key Execute	Used in Program Entry Mode to specify the program to execute when soft button (1-18) of the Programmable MENU, [*] (19), [+/-] (20) or [EXIT] (21) is pressed ; if button 1-18 is specified, KEYX also creates a soft button in the Programmable MENU with the string in X as a label (TAM : KEYX → KEY ___ TamKey menu ; KEY nn XEQ ___ TamLabel menu) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_P-FN2_page_1.pdf			
	KTYP	Command (logical)		Menu [INFO.1]F4	Key type?	Get key type for key code returned by KEY? (TAM : KTYP ___ Tam menu ; Info : https://n7calc.com/doc/RN7/Reference/RN7v0_KeyType.pdf) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_INFO_page_1.pdf			
				Menu [P.FN1.1]fF5	Key type?	Get key type for key code returned by KEY? (TAM : KTYP ___ Tam menu ; Info : https://n7calc.com/doc/RN7/Reference/RN7v0_KeyType.pdf) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_P-FN1_page_1.pdf			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	LBL	Command (PEM)		Menu [P.FN.1] F1	Label	Create global or local label ; create global label by pressing key α (f[XEQ]) and entering the name, which will be displayed as '<label>' ; local labels only exist within the scope of the program ; they are numeric : 01-99, single letter : a-l or {A}-[E], {F}, {G}-[L] ; or created as local named labels, by pressing button : ([TamLabel.1]F3), then button α ([TamLocalLabel.1]F3) or key α (f[XEQ]) and entering the name, which will be displayed as '<label>' ; maximum label length is : 7 characters (TAM : LBL ___ TamLabel menu ; Info : LBL + TAM [XEQ] to enter global LBL '_. TamAlpha menu ; LBL + button : on [TamLabel.1]F3 to enter LBL :___ TamLocalLabel menu to create local labels a-l, D-F or local named labels (additionally pressing button α on [TamLocalLabel.1]F3 or TAM [XEQ] to enter LBL :- TamAlpha menu) ; note that a label may be used multiple times in a program ; local labels are searched forwards from the GT0 or XEQ command, before global labels, which are searched from the start of program memory) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_P-FN_page_1.pdf			
				Menu [BLUE7.1] gF5	Label	Create global or local label ; create global label by pressing key α (f[XEQ]) and entering the name, which will be displayed as '<label>' ; local labels only exist within the scope of the program ; they are numeric : 01-99, single letter : a-l or {A}-[E], {F}, {G}-[L] ; or created as local named labels, by pressing button : ([TamLabel.1]F3), then button α ([TamLocalLabel.1]F3) or key α (f[XEQ]) and entering the name, which will be displayed as '<label>' ; maximum label length is : 7 characters (TAM : LBL ___ TamLabel menu ; Info : LBL + TAM [XEQ] to enter global LBL '_. TamAlpha menu ; LBL + button : on [TamLabel.1]F3 to enter LBL :___ TamLocalLabel menu to create local labels a-l, D-F or local named labels (additionally pressing button α on [TamLocalLabel.1]F3 or TAM [XEQ] to enter LBL :- TamAlpha menu) ; note that a label may be used multiple times in a program ; local labels are searched forwards from the GT0 or XEQ command, before global labels, which are searched from the start of program memory) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_BLUE7_page_1.pdf			
				Menu [P.FN3.1] F1	Label	Create global or local label ; create global label by pressing key α (f[XEQ]) and entering the name, which will be displayed as '<label>' ; local labels only exist within the scope of the program ; they are numeric : 01-99, single letter : a-l or {A}-[E], {F}, {G}-[L] ; or created as local named labels, by pressing button : ([TamLabel.1]F3), then button α ([TamLocalLabel.1]F3) or key α (f[XEQ]) and entering the name, which will be displayed as '<label>' ; maximum label length is : 7 characters (TAM : LBL ___ TamLabel menu ; Info : LBL + TAM [XEQ] to enter global LBL '_. TamAlpha menu ; LBL + button : on [TamLabel.1]F3 to enter LBL :___ TamLocalLabel menu to create local labels a-l, D-F or local named labels (additionally pressing button α on [TamLocalLabel.1]F3 or TAM [XEQ] to enter LBL :- TamAlpha menu) ; note that a label may be used multiple times in a program ; local labels are searched forwards from the GT0 or XEQ command, before global labels, which are searched from the start of program memory) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_P-FN3_page_1.pdf			
	LBL?	Command (logical)		Menu [TEST.1] gF3	Label exists?	Test label exists (TAM : LBL? ___ TamLabel menu) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TEST_page_1.pdf			
	LEAP?	Command (logical)		Menu [CLK.1] fF6	Leap year?	Test X is a date in a leap year (test function D7 must be true) (Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Datatypes.pdf) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_CLK_page_1.pdf			
				Menu [TEST.1] gF5	Leap year?	Test X is a date in a leap year (test function D7 must be true) (Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Datatypes.pdf) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TEST_page_1.pdf			
	LINT?	Command (logical)		Menu [TEST.2] F2	Long integer?	Test type of X is Long integer (0) (Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Datatypes.pdf) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TEST_page_2.pdf			
	LocR	Command (PEM)		Menu [P.FN2.1] fF1	Allocate local registers	Allocate nn (0-99) local registers and 32 local flags (0-31) ; available in the current routine (TAM : LocR ___ TamNonReg menu ; Info : LocR nn (nn > 0) allocates local registers 00..nn-1 and local flags 00..31, LocR 00 allocates only the local flags) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_P-FN2_page_1.pdf			
	MSQR?	Command (logical)		Menu [TEST.3] F6	Square matrix?	Test X is a square matrix (test function MATR? is true) (Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Datatypes.pdf) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TEST_page_3.pdf			
	MATR?	Command (logical)		Menu [TEST.3] F5	Real matrix or vector?	Test type of X is Real matrix or vector (6) or Complex matrix or vector (7.n) (Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Datatypes.pdf) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TEST_page_3.pdf			
	MENU	Command (PEM)		Menu [P.FN2.1] F3	Display Programmable MENU	Display the Programmable MENU defined with KEYG and/or KEYX Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_P-FN2_page_1.pdf			
	MENU#	Command		Menu [INFO.1] gF6	Get current menu	Get current menu name ; followed by # and page number if 2 or higher Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_INFO_page_1.pdf			
	MSG	Command (PEM)		Menu [P.FN1.1] fF1	Message	Show error message (TAM : MSG ___ TamNonReg menu ; Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Errors_and_messages.pdf) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_P-FN1_page_1.pdf			
	MVAR	Command (PEM)		Menu [P.FN2.1] F4	Define menu variable	Define menu variable in RPN program, for VarMNU, integrator, or solver ; creates variable if it does not exist (TAM : MVAR ___ TamVarOnly menu ; Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Variable_naming.pdf) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_P-FN2_page_1.pdf			
	NaN?	Command (logical)		Menu [TEST.3] gF3	not-a-number?	Test X is not-a-number Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TEST_page_3.pdf			
	NUMBR?	Command (logical)		Menu [TEST.3] gF1	Number?	Test type of X is Number (0 ; 1.0-1.5 ; 2.0-2.5) (Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Datatypes.pdf) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TEST_page_3.pdf			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	ODD?	Command (logical)		Menu [TEST.3] fF2	Odd?	Test X is odd and integer (test function INT? is true) (Ref : https://r47calc.com/doc/R47/Reference/R47v0_Datatypes.pdf) Ref : https://r47calc.com/doc/R47/Menus/R47v0_Menu_TEST_page_3.pdf			
	OPENM	Command (PEM)		Menu [P.FN2.1] fF4	Open menu	Open menu by (catalog) name, optionally followed by ϵ and page number (TAM : OPENM _ TamMenu menu ; Info : ϵ is on [aMisc.1]F1 ; menu name and page can be stored in a register or variable ; Error 59 -- Undefined menu name -- may be raised) Ref : https://r47calc.com/doc/R47/Menus/R47v0_Menu_P-FN2_page_1.pdf			
	PAUSE	Command (PEM)		Menu [P.FN1.1] F4	Pause	Pause program for number of ticks ; range is nn in [0, 99], one tick is 100 ms ; special case : nn = 99 results in sleep mode (TAM : PAUSE _ _ TamNonReg menu) Ref : https://r47calc.com/doc/R47/Menus/R47v0_Menu_P-FN1_page_1.pdf			
	PIXEL	Command (PEM)		Menu [P.FN1.1] gF1	Display pixel or thin line	Display one pixel at (X, Y) or draw a thin horizontal or vertical line at the (absolute) value of one or both negative coordinates ; this is a Program Entry Mode command ; use CLLCD to clear LCD and PAUSE to pause program for number of ticks in order to view graphic (Info : Range is X in [0, 399] and Y in [0, 239] (400 x 240 display, where (0, 0) is bottom left) ; -0. is accepted as a valid negative input for line drawing) Ref : https://r47calc.com/doc/R47/Menus/R47v0_Menu_P-FN1_page_1.pdf			
	POINT	Command (PEM)		Menu [P.FN1.1] gF2	Display point or thick line	Display 9 (3x3) pixels around (X, Y) or draw a thick horizontal or vertical line at the (absolute) value of one or both negative coordinates ; this is a Program Entry Mode command ; use CLLCD to clear LCD and PAUSE to pause program for number of ticks in order to view graphic (Info : Range is X in [0, 399] and Y in [0, 239] (400 x 240 display, where (0, 0) is bottom left) ; -0. is accepted as a valid negative input for line drawing) Ref : https://r47calc.com/doc/R47/Menus/R47v0_Menu_P-FN1_page_1.pdf			
	PopLR	Command (PEM)		Menu [P.FN2.1] fF2	Pop local registers	Pop local registers (no return to calling routine) Ref : https://r47calc.com/doc/R47/Menus/R47v0_Menu_P-FN2_page_1.pdf			
	PRGM	Command		Keyboard f[R/S]	Programming	Enter Program Entry Mode (PEM) and activate menu P.FN (Info : Program Entry Mode starts in UPPERcase) Ref : https://r47calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_8.pdf			
	PRIME?	Command (logical)		Menu [TEST.1] fF4	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)) Ref : https://r47calc.com/doc/R47/Menus/R47v0_Menu_TEST_page_1.pdf			
				Menu [X.FN1.] F2	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)) Ref : https://r47calc.com/doc/R47/Menus/R47v0_Menu_X-FN_page_1.pdf			
	PROMPT	Command (PEM)		Menu [P.FN1.1] F3	Prompt	Halt program execution and view the register or variable contents (text string) in the top left part of the screen, without TI (for use in Program Entry Mode) ; if the contents include the ϵ symbol, optionally display one or more TIs at the top, X, Y, Z line ; example: "top line = ϵ X = ϵ Y = ϵ Z = " (TAM : PROMPT _ _ Tam menu ; Info : if $\$$ EN is SET, PROMPT will print when executed from the keyboard in NORM or TRACE ; in Program Entry Mode, $\$$ EN must be SET as well) Ref : https://r47calc.com/doc/R47/Menus/R47v0_Menu_P-FN1_page_1.pdf			
	PUTK	Command (PEM)		Menu [P.FN1.1] fF6	Put keycode in buffer	Copy keycode from register to keyboard buffer for immediate execution (TAM : PUTK _ _ Tam menu) Ref : https://r47calc.com/doc/R47/Menus/R47v0_Menu_P-FN1_page_1.pdf			
	R-CLR	Command (PEM)		Menu [P.FN2.1] gF4	Clear registers	Clear registers, using range number in X (sss.nn means registers from sss through sss + nn - 1) Ref : https://r47calc.com/doc/R47/Menus/R47v0_Menu_P-FN2_page_1.pdf			
	R-COPY	Command (PEM)		Menu [P.FN2.1] gF1	Copy registers	Copy registers, using range number in X (sss.nndd means registers from sss through sss + n - 1 to registers ddd through ddd + nn - 1) Ref : https://r47calc.com/doc/R47/Menus/R47v0_Menu_P-FN2_page_1.pdf			
	R-SORT	Command (PEM)		Menu [P.FN2.1] gF2	Sort registers	Sort registers by ascending value, using range number in X (sss.nn means registers from sss through sss + nn - 1) (Info : R-SORT can also sort by time value stored in the registers) Ref : https://r47calc.com/doc/R47/Menus/R47v0_Menu_P-FN2_page_1.pdf			
	R-SWAP	Command (PEM)		Menu [P.FN2.1] gF3	Swap registers	Swap registers, using range number in X (sss.nndd means registers from sss through sss + n - 1 to registers ddd through ddd + nn - 1) Ref : https://r47calc.com/doc/R47/Menus/R47v0_Menu_P-FN2_page_1.pdf			
	R?	Command (logical)		Menu [TEST.2] F3	Real number?	Test type of X is Real number (1.0-1.5) (Ref : https://r47calc.com/doc/R47/Reference/R47v0_Datatypes.pdf) Ref : https://r47calc.com/doc/R47/Menus/R47v0_Menu_TEST_page_2.pdf			
	R/S	Command		Keyboard [R/S]	Run/Stop program	Run/Stop program (Info : In Program Entry Mode, R/S enters STOP) Ref : https://r47calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_8.pdf			
	R/S	Command		Keyboard normalSIM [v ; z]	Run/Stop program	Run/Stop program (Info : In Program Entry Mode, R/S enters STOP) Ref : https://r47calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_8.pdf			
	R/S (STOP)	Command		Catalog CAT.FCNS STOP	Stop program	Stop program (Info : In Program Entry Mode, R/S enters STOP)			
	RCL.SKP	Command (PEM)		Menu [P.FN3.1] gF3	Recall and skip	Recall value from register or variable and skip the next instruction (intended use is after a test function, which if true, calls RCL.SKP and jumps over the next program step, which means that step is executed only if the test function returns false) (Ref : https://r47calc.com/doc/R47/Reference/R47v0_Skipping_program_steps.pdf) Ref : https://r47calc.com/doc/R47/Menus/R47v0_Menu_P-FN3_page_1.pdf			
	Re=0?	Command (logical)		Menu [TEST.3] F3	Zero real part?	Test X has real part equal to zero Ref : https://r47calc.com/doc/R47/Menus/R47v0_Menu_TEST_page_3.pdf			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	Re#0?	Command (logical)		Menu [TEST.3] fF3	Non-zero real part?	Test X has real part not equal to zero Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TEST_page_3.pdf			
	REM	Command (PEM)		Menu [P.FN1.1] fF3	Remark	Comment line in program (maximum 160 characters) (Info : REM '-' ALPHA (ALPHA) menu) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_P-FN1_page_1.pdf			
	Rmatx?	Command (logical)		Menu [TEST.2] gF3	Real matrix or vector?	Test type of X is Real matrix or vector (6) (Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Datatypes.pdf) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TEST_page_2.pdf			
	RTN	Command (PEM)		Menu [P.FN.1] F4	Return	Return from subroutine to calling program Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_P-FN_page_1.pdf			
				Menu [BLUE47.1] gF6	Return	Return from subroutine to calling program Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_BLUE47_page_1.pdf			
				Menu [P.FN3.1] F4	Return	Return from subroutine to calling program Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_P-FN3_page_1.pdf			
	RTN.SKIP	Command (PEM)		Menu [P.FN3.1] fF4	Return and skip	Return from subroutine to calling program and skip the instruction following the calling XEQ (intended use is to allow a subroutine to function as a built in test function, which if true, returns using RTN and using RTN.SKIP otherwise) (Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Skipping_program_steps.pdf) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_P-FN3_page_1.pdf			
	SF	Command		Menu [FLAG.1] F1	Set flag	Set flag (TAM : SF -- TamFlag menu) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_FLAG_page_1.pdf			
	SINT?	Command (logical)		Menu [TEST.2] F1	Short integer?	Test type of X is Short integer (8.02-8.16) (Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Datatypes.pdf) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TEST_page_2.pdf			
	SKIP	Command (PEM)		Menu [P.FN3.1] fF1	Skip	Skip n program steps (TAM : SKIP ---- TamNonReg menu ; Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Skipping_program_steps.pdf) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_P-FN3_page_1.pdf			
	SPEC?	Command (logical)		Menu [TEST.3] gF5	Special?	Test X is special (±∞ or NaN) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TEST_page_3.pdf			
	⇐ (SST)	Command (nonpgm)		Keyboard f[4]	Single step	Single step (Shortcut : [4]) Ref : https://n7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_7.pdf			
	STRI?	Command (logical)		Menu [TEST.2] gF1	Text string?	Test type of X is Text string (5) (Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Datatypes.pdf) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TEST_page_2.pdf			
	TICKS	Command (PEM)		Menu [P.FN1.1] F5	Ticks	Number of ticks counted since calculator was turned on (one tick is 100 ms) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_P-FN1_page_1.pdf			
	TOP?	Command (logical)		Menu [TEST.1] gF4	Top?	Test program pointer is in top routine (as opposed to in subroutine) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TEST_page_1.pdf			
	VarMNU	Command (PEM)		Menu [P.FN2.1] F5	Variable menu	Create variable menu ; uses register K to store variable name when MVAR-defined button (<var...>) is pressed without NIM input (TAM : VarMNU --- TamLbOnly menu ; Error 25 -- No MVAR found in selected program -- may be raised) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_P-FN2_page_1.pdf			
	VECT2D?	Command (logical)		Menu [TEST.3] fF5	2D vector?	Test X is a 2D vector (test function MATR? is true) (Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Datatypes.pdf) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TEST_page_3.pdf			
	VECT3D?	Command (logical)		Menu [TEST.3] fF6	3D vector?	Test X is a 3D vector (test function MATR? is true) (Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Datatypes.pdf) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TEST_page_3.pdf			
	x< ?	Command (logical)		Menu [TEST.1] F1	X less than?	Test X is less than register or variable contents (TAM : x< ? --- TamCmp menu) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TEST_page_1.pdf			
	x= ?	Command (logical)		Menu [TEST.1] F3	X equals?	Test X equals register or variable contents (TAM : x= ? --- TamCmp menu) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TEST_page_1.pdf			
	x≠ ?	Command (logical)		Menu [TEST.1] F4	X not equal to?	Test X is not equal to register or variable contents (TAM : x≠ ? --- TamCmp menu) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TEST_page_1.pdf			
	x=-0 ?	Command (logical)		Menu [TEST.1] fF1	X equals -0?	Test X equals -0 (Real number) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TEST_page_1.pdf			
	x=+0 ?	Command (logical)		Menu [TEST.1] fF2	X equals +0?	Test X equals +0 (Real number) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TEST_page_1.pdf			
	x> ?	Command (logical)		Menu [TEST.1] F6	X greater than?	Test X is greater than register or variable contents (TAM : x> ? --- TamCmp menu) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TEST_page_1.pdf			
	x≈ ?	Command (logical)		Menu [TEST.1] fF3	X approximates?	Test X approximates register or variable contents (rounded values are equal) (TAM : x≈ ? --- TamCmp menu) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TEST_page_1.pdf			
	x≤ ?	Command (logical)		Menu [TEST.1] F2	X less than or equal to?	Test X is less than or equal to register or variable contents (TAM : x≤ ? --- TamCmp menu) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TEST_page_1.pdf			
	x≤-0 ?	Command (logical)		Menu [TEST.1] fF5	X less than or equal to -0?	Test X is less than or equal to -0 (Real number) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TEST_page_1.pdf			
	x≥ ?	Command (logical)		Menu [TEST.1] F5	X greater than or equal to?	Test X is greater than or equal to register or variable contents (TAM : x≥ ? --- TamCmp menu) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TEST_page_1.pdf			
	x≥+0 ?	Command (logical)		Menu [TEST.1] fF6	X greater than or equal to +0?	Test X is greater than or equal to +0 (Real number) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TEST_page_1.pdf			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	XEQ	Command (PEM)		Menu [P.FN.1] F3	Execute	Execute function or program with global or local label (normal spaces can be used instead of special spaces in labels) (TAM : XEQ ___ TamLabel menu ; Info : XEQ + TAM [XEQ] to enter global XEQ '_. TamAlpha menu ; XEQ + button : on [TamLabel.1] F3 to enter XEQ :___ TamLocalLabel menu for easy access to local labels a-l, D-F or local named labels (additionally pressing button α on [TamLocalLabel.1] F3 or TAM [XEQ] to enter XEQ :_. TamAlpha menu)) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_P-FN_page_1.pdf			
				Menu [P.FN3.1] F3	Execute	Execute function or program with global or local label (normal spaces can be used instead of special spaces in labels) (TAM : XEQ ___ TamLabel menu ; Info : XEQ + TAM [XEQ] to enter global XEQ '_. TamAlpha menu ; XEQ + button : on [TamLabel.1] F3 to enter XEQ :___ TamLocalLabel menu for easy access to local labels a-l, D-F or local named labels (additionally pressing button α on [TamLocalLabel.1] F3 or TAM [XEQ] to enter XEQ :_. TamAlpha menu)) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_P-FN3_page_1.pdf			
	XEQ	Command (PEM)		Keyboard [XEQ]	Execute	Execute function or program with global or local label (normal spaces can be used instead of special spaces in labels) (TAM : XEQ ___ TamLabel menu ; Info : XEQ + TAM [XEQ] to enter global XEQ '_. TamAlpha menu ; XEQ + button : on [TamLabel.1] F3 to enter XEQ :___ TamLocalLabel menu for easy access to local labels a-l, D-F or local named labels (additionally pressing button α on [TamLocalLabel.1] F3 or TAM [XEQ] to enter XEQ :_. TamAlpha menu)) Ref : https://n7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_5.pdf			
	XEQ	Command (PEM)		Keyboard normalSIM [x]	Execute	Execute function or program with global or local label (normal spaces can be used instead of special spaces in labels) (TAM : XEQ ___ TamLabel menu ; Info : XEQ + TAM [XEQ] to enter global XEQ '_. TamAlpha menu ; XEQ + button : on [TamLabel.1] F3 to enter XEQ :___ TamLocalLabel menu for easy access to local labels a-l, D-F or local named labels (additionally pressing button α on [TamLocalLabel.1] F3 or TAM [XEQ] to enter XEQ :_. TamAlpha menu)) Ref : https://n7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_5.pdf			
	XEQ.SKP	Command (PEM)		Menu [P.FN3.1] ff3	Execute and skip	Execute function or program with global or local label (normal spaces can be used instead of special spaces in labels) and skip the next instruction (intended use is after a test function, which if true, calls XEQ.SKP and jumps over the next program step, which means that step is executed only if the test function returns false) (Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Skipping_program_steps.pdf) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_P-FN3_page_1.pdf			
	ZOOM	Command (PEM)		Menu [P.FN1.1] gF4	Zoom (plot)	Zoom plot to factor in X (Info : -3..-1 : zoom out ; 0 : normal) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_P-FN1_page_1.pdf			
	T?	Command (logical)		Menu [TEST.2] F6	Time?	Test type of X is Time (3) (Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Datatypes.pdf) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TEST_page_2.pdf			
Reals	.d	Function (monadic)		Menu [CLK.1] ff5	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 (T1 : decimal h: or yyyy.mmdd) ; Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Date_formats.pdf) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_CLK_page_1.pdf	FRACT	CLEAR	a ^{b/n} ; ^{b/n} ; [+∞]
				Menu [BLUE7.1] gFN	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 (T1 : decimal h: or yyyy.mmdd) ; Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Date_formats.pdf) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_BLUE7_page_1.pdf	FRACT	CLEAR	a ^{b/n} ; ^{b/n} ; [+∞]
	.d	Function (monadic)		Keyboard g[y*]	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 (T1 : decimal h: or yyyy.mmdd) ; Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Date_formats.pdf) Ref : https://n7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_2.pdf	FRACT	CLEAR	a ^{b/n} ; ^{b/n} ; [+∞]
	.d	Function (monadic)		Keyboard longerpress [y*]	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 (T1 : decimal h: or yyyy.mmdd) ; Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Date_formats.pdf) Ref : https://n7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_2.pdf	FRACT	CLEAR	a ^{b/n} ; ^{b/n} ; [+∞]
	.d (→REAL)	Function (monadic)		Catalog CAT.FCNS →REAL	Convert to Real number	Convert to Real number (1.0-1.5)			
	→HR<	Function (monadic, old)			Convert to decimal hours	Old function →HR that assumed argument conforms to ADM (Info : May be found in older user programs and raises Error 56 -- Function has changed, please replace ; use .d on g[y*] or [CLK.1] ff5 instead)			
	ceil	Function (monadic)		Menu [REAL.1] gF2	Ceiling	Mathematical ceiling of number Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_REAL_page_1.pdf			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
				Menu [FCNS.1] fF5	Ceiling	Mathematical ceiling of number Ref : https://v7calc.com/doc/RN7/Menus/RN7v0_Menu_FCNS_EQN_page_1.pdf			
	DECOMP	Function (monadic)		Menu [REAL.1] F6	Decompose	Convert (improper) real number fraction in X to nominator in Y, denominator in X (Info : Honours settings DENANY, DENFIX and DMX) Ref : https://v7calc.com/doc/RN7/Menus/RN7v0_Menu_REAL_page_1.pdf			
	DF ₀	Command	0	Menu [INFO.3] fF3	Set real number display format	Set real number display format to X ; also set interactively from menu MLoads: (formats FIX ; SCI ; ENG ; UNIT ; SIG ; ALL) (Info : FIX : 1 ; SCI : 2 ; ENG : 3 ; UNIT : 5 ; SIG : 4 ; ALL : 0) Ref : https://v7calc.com/doc/RN7/Menus/RN7v0_Menu_INFO_page_3.pdf			
	DF#	Command	0	Menu [INFO.3] F3	Get real number display format	Get real number display format ; set interactively from menu MLoads: (formats FIX ; SCI ; ENG ; UNIT ; SIG ; ALL) and by DF (Info : FIX : 1 ; SCI : 2 ; ENG : 3 ; UNIT : 5 ; SIG : 4 ; ALL : 0) Ref : https://v7calc.com/doc/RN7/Menus/RN7v0_Menu_INFO_page_3.pdf			
	EXPT	Function (monadic)		Menu [REAL.1] F4	Exponent	Exponent of real number Ref : https://v7calc.com/doc/RN7/Menus/RN7v0_Menu_REAL_page_1.pdf			
	floor	Function (monadic)		Menu [REAL.1] gF1	Floor	Mathematical floor of number Ref : https://v7calc.com/doc/RN7/Menus/RN7v0_Menu_REAL_page_1.pdf			
				Menu [FCNS.2] F2	Floor	Mathematical floor of number Ref : https://v7calc.com/doc/RN7/Menus/RN7v0_Menu_FCNS_EQN_page_2.pdf			
	MANT	Function (monadic)		Menu [REAL.1] F3	Mantissa	Mantissa of real number Ref : https://v7calc.com/doc/RN7/Menus/RN7v0_Menu_REAL_page_1.pdf			
	RDP	Function (monadic)		Menu [REAL.1] fF5	Round to decimal places	Round real number to number of decimal places, subject to rounding mode (RMODE) (TAM : RDP ... TamNonReg menu ; Range is [0, 34]) Ref : https://v7calc.com/doc/RN7/Menus/RN7v0_Menu_REAL_page_1.pdf			
	RMODE#	Command	0	Menu [INFO.2] F6	Get rounding mode	Get floating point rounding mode (Info : Set by RMODE) Ref : https://v7calc.com/doc/RN7/Menus/RN7v0_Menu_INFO_page_2.pdf			
	RNG#	Command		Menu [INFO.2] fF1	Get number range	Get number range as 10 ⁿⁿ , where nn in [99, 6145] (Info : Set by RNG) Ref : https://v7calc.com/doc/RN7/Menus/RN7v0_Menu_INFO_page_2.pdf			
	ROUND	Function (monadic)		Menu [REAL.1] fF3	Round	Round number to current display format (returns Real number) Ref : https://v7calc.com/doc/RN7/Menus/RN7v0_Menu_REAL_page_1.pdf			
				Menu [HOME.1] fF1	Round	Round number to current display format (returns Real number) Ref : https://v7calc.com/doc/RN7/Menus/RN7v0_Menu_HOME_page_1.pdf			
	ROUNDI	Function (monadic)		Menu [REAL.1] fF4	Round to integer	Round real number to nearest long integer (max 1000 digits) Ref : https://v7calc.com/doc/RN7/Menus/RN7v0_Menu_REAL_page_1.pdf			
	RSD	Function (monadic)		Menu [REAL.1] fF6	Round to significant digits	Round real number to number of significant digits, subject to rounding mode (RMODE) (TAM : RSD ... TamNonReg menu) Ref : https://v7calc.com/doc/RN7/Menus/RN7v0_Menu_REAL_page_1.pdf			
	SDL	Function (monadic)		Menu [REAL.1] fF1	Shift Digits Left	Shift digits of Integer Part of real number to the left (zeros are added) (TAM : SDL ... TamNonReg menu) Ref : https://v7calc.com/doc/RN7/Menus/RN7v0_Menu_REAL_page_1.pdf			
	SDR	Function (monadic)		Menu [REAL.1] fF2	Shift Digits Right	Shift digits of Integer Part of real number to the right (digits are dropped) (TAM : SDR ... TamNonReg menu) Ref : https://v7calc.com/doc/RN7/Menus/RN7v0_Menu_REAL_page_1.pdf			
	sign	Function (monadic)		Menu [REAL.1] F5	Sign	Sign of number (Info : Sign is -1 for negative numbers, 0 for zero, +1 for positive numbers ; for nonzero Complex numbers, sign(z) = z / z (a.k.a. UNITV)) Ref : https://v7calc.com/doc/RN7/Menus/RN7v0_Menu_REAL_page_1.pdf			
Registers	LocR#	Command		Menu [INFO.1] F5	Get number of local registers	Get number of local registers (current routine) (Info : Set by LocR) Ref : https://v7calc.com/doc/RN7/Menus/RN7v0_Menu_INFO_page_1.pdf			
RPN Calculus and plotting	Π _n	Command		Menu [ADV.1] F2	Real product (RPN)	Real product using RPN program ; Π _n (from Z to Y in steps of X) ; interrupt by [EXIT] -- see Formula_Pln.png ; https://v7calc.com/doc/Images/Formula_Pln.png (TAM : Π _n ... TamLb1Only menu ; Info : <from> ENTER <to> ENTER <step> Π _n ; displays Loop: n, current result, where n is iteration counter ; shown if flag MONIT is SET) Ref : https://v7calc.com/doc/RN7/Menus/RN7v0_Menu_ADV_page_1.pdf	MONIT	SET	<no annunciator>
	Σ _n	Command		Menu [ADV.1] F1	Sum (RPN)	Sum using RPN program ; Σ _n (from Z to Y in steps of X) ; interrupt by [EXIT] -- see Formula_SIGMAN.png ; https://v7calc.com/doc/Images/Formula_SIGMAN.png (TAM : Σ _n ... TamLb1Only menu ; Info : <from> ENTER <to> ENTER <step> Σ _n ; displays Loop: n, current result, where n is iteration counter ; shown if flag MONIT is SET ; Ref : https://v7calc.com/doc/Application%20Notes/AN0008_C47_IM_Programmed_Sums1.pdf) Ref : https://v7calc.com/doc/RN7/Menus/RN7v0_Menu_ADV_page_1.pdf	MONIT	SET	<no annunciator>
	>f'(x)<	Command (old)			First derivative (RPN)	Old version of the command to numerically calculate the first derivative at X using RPN program (Info : May be found in older user programs and raises Error 56 -- Function has changed, please replace ; use f' on [ADV.1] F6 instead)			
	>f''(x)<	Command (old)			Second derivative (RPN)	Old version of the command to numerically calculate the second derivative at X using RPN program (Info : May be found in older user programs and raises Error 56 -- Function has changed, please replace ; use f'' on [ADV.1] gF6 instead)			
	ωΣ _n	Command		Menu [ADV.1] gF1	Infinite sum (RPN)	Approximate infinite sum using RPN program ; ωΣ _n (from Z to Y in steps of X, stopping when Y is reached, or - for Real output - when the last digit of the answer at the SDIGS setting does not change anymore) ; terms must be decreasing ; returns number of iterations in Y ; interrupt by [EXIT] -- see Formula_SIGMAN.png ; https://v7calc.com/doc/Images/Formula_SIGMAN.png (TAM : ωΣ _n ... TamLb1Only menu ; Info : <from> ENTER <to> ENTER <step> ωΣ _n ; displays Loop: n, current result, where n is iteration counter ; shown if flag MONIT is SET ; Ref : https://v7calc.com/doc/Application%20Notes/AN0008_C47_IM_Programmed_Sums1.pdf) Ref : https://v7calc.com/doc/RN7/Menus/RN7v0_Menu_ADV_page_1.pdf	MONIT	SET	<no annunciator>

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	f'	Command (submenu)		Menu [ADV.1] F6	Second derivative (RPN)	Numerically calculate second derivative using RPN program, at value of starred MVAR variable and using step size of δ_4 , as specified using the buttons in the (MVAR (delta)) menu presented (TAM : f' __ TamLbOnly menu ; TI : $\delta =$; $f' \approx$; Info : if no step size is entered, an automatic step size is determined by iteration in 16 steps, starting with 1/10 ; the step size will always be displayed as "6") Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_ADV_page_1.pdf			
	f''	Command (submenu)		Menu [ADV.1] gF6	First derivative (RPN)	Numerically calculate first derivative using RPN program, at value of starred MVAR variable and using step size of δ_4 , as specified using the buttons in the (MVAR (delta)) menu presented (TAM : f'' __ TamLbOnly menu ; TI : $\delta =$; $f'' \approx$; Info : if no step size is entered, an automatic step size is determined by iteration in 16 steps, starting with 1/10 ; the step size will always be displayed as "6") Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_ADV_page_1.pdf			
	$i \prod_n$	Command		Menu [ADV.1] ff2	Integer product (RPN)	Integer product using RPN program ; $i \prod_n$ (from Z to Y in steps of X) ; interrupt by [EXIT] -- see Formula_iPin.png : https://r7calc.com/doc/Images/Formula_iPin.png (TAM : $i \prod_n$ __ TamLbOnly menu ; Info : <from> ENTER <to> ENTER <step> $i \prod_n$; displays Loop: n, current result, where n is iteration counter ; shown if flag MONIT is SET) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_ADV_page_1.pdf	MONIT	SET	<no annunciator>
	$i \sum_n$	Command		Menu [ADV.1] ff1	Integer sum (RPN)	Integer sum using RPN program ; $i \sum_n$ (from Z to Y in steps of X) ; interrupt by [EXIT] -- see Formula_iSIGMAN.png : https://r7calc.com/doc/Images/Formula_iSIGMAN.png (TAM : $i \sum_n$ __ TamLbOnly menu ; Info : <from> ENTER <to> ENTER <step> $i \sum_n$; displays Loop: n, current result, where n is iteration counter ; shown if flag MONIT is SET) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_ADV_page_1.pdf	MONIT	SET	<no annunciator>
	PGMDRV	Command	0	Menu [ADV.1] F6	Specify RPN program for f' , f''	In Program Entry Mode, specify the RPN program (with MVAR variables) to be used as the function to be differentiated, store values in variable(s), then activate f' or f'' and specify variable to differentiate for and step size (TAM : PGMDRV __ TamLbOnly menu) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_ADV_page_1.pdf			
	PGMINT	Command		Menu [ADV.1] F4	Specify RPN program for $\int f dx$	In Program Entry Mode, specify the RPN program (with MVAR variables) to be used as the expression, store values in variable(s), then open menu $\int f dx$ and select integrator and variable to be integrated for, integrator limits set from stack (Y, X) (TAM : PGMINT __ TamLbOnly menu ; Info : PGMINT can nest PGMINT inside : nesting is limited to 3, respectively 4 levels, on new models and simulator, but nesting is limited to 2 levels on DM2 hardware ; Error 66 -- Nesting too deep -- may be raised) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_ADV_page_1.pdf	INTING	CLEAR	<no annunciator>
	PGMPLT	Command		Menu [ADV.1] ff3	Specify RPN program for PLT f	In Program Entry Mode, specify the RPN program (with MVAR variables) to be used as the function to be plotted, store values in variable(s), then activate PLT f and specify variable to plot for, X-axis limits set from stack (Y, X) (TAM : PGMPLT __ TamLbOnly menu ; Info : PGMPLT can nest PGMINT and PGMSLV inside : nesting is limited to 3, respectively 4 levels, on new models and simulator, but plot nesting is disabled on DM2 hardware ; Error 66 -- Nesting too deep -- may be raised ; when SDIGS is set to the maximum value of 34, plotting uses 15 instead, otherwise it uses the value set by SDIGS) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_ADV_page_1.pdf			
	PGMSLV	Command		Menu [ADV.1] ff5	Specify RPN program for SOLVE	In Program Entry Mode, specify the RPN program (with MVAR variables) to be used as the expression ($= 0$), store values in variable(s), then call SOLVE and specify variable to be solved for, solver estimates set from stack (Y, X) ; tolerance set by SDIGS, but the solver converges to graph precision while (nested inside) plotting (TAM : PGMSLV __ TamLbOnly menu ; Info : PGMSLV can nest PGMINT and PGMSLV inside : nesting is limited to 3, respectively 4 levels, on new models and simulator, but nesting is limited to 2 levels on DM2 hardware ; Error 66 -- Nesting too deep -- may be raised ; when SDIGS is set to the maximum value of 34, plotting uses 15 instead, otherwise it uses the value set by SDIGS) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_ADV_page_1.pdf	SOLVING	CLEAR	<no annunciator>
	SLVC	Command		Menu [ADV.1] gF3	Solve cubic	Solve the cubic equation : $a_3 \times x^3 + a_2 \times x^2 + a_1 \times x + a_0 = 0$; parameters taken from 4 coefficients on the stack or from a 1x4 or 4x1 coefficient vector in X ; SLVC also solves linear equations for 1x2 or 2x1 input and quadratic for 1x3 or 3x1 ; tolerance set by SDIGS (Info : a_3 ENTER a_2 ENTER a_1 ENTER a_0 SLVC ; roots 1, 2, 3 in Z, Y, X ; for vector input, roots are returned in a vector ; $tzx \rightarrow \vec{v}_4$ is available on menu $[\vec{v} \leftrightarrow \vec{v}.1]$ F5 to create a 1x4 coefficient vector (also $yx \rightarrow \vec{v}_2$, $zyx \rightarrow \vec{v}_3$) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_ADV_page_1.pdf			
	SLVP	Command		Menu [ADV.1] gF4	Solve polynomial	Solve the polynomial equation : $a_n \times x^n + a_{n-1} \times x^{n-1} + \dots + a_0 = 0$, $n \leq 11$; parameters taken from a 1 x n+1 or n+1 x 1 coefficient vector in X ; tolerance set by SDIGS (Ref : https://r7calc.com/doc/Application%20Notes/AN0833_Cv7_R47_DE_Polynomial_roots.pdf) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_ADV_page_1.pdf			
	SLVQ	Command		Menu [ADV.1] gF2	Solve quadratic	Solve the quadratic equation : $a \times x^2 + b \times x + c = 0$; parameters taken from 3 coefficients on the stack or from a 1x3 or 3x1 coefficient vector in X ; SLVQ also solves linear equations for 1x2 or 2x1 input and cubic for 1x4 or 4x1 ; tolerance set by SDIGS (Info : a ENTER b ENTER c SLVQ ; roots 1, 2 in Y, X ; for vector input, roots are returned in a vector ; $zyx \rightarrow \vec{v}_3$ is available on menu $[\vec{v} \leftrightarrow \vec{v}.1]$ F3 to create a 1x3 coefficient vector (also $yx \rightarrow \vec{v}_2$, $tzx \rightarrow \vec{v}_4$) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_ADV_page_1.pdf			
	SOLVE	Command (submenu)		Menu [ADV.1] F5	Solver (RPN)	Real solver for the RPN program (with MVAR variables) selected with TamLbOnly menu ; presents menu for initial guesses and variable selection ; interrupt by [EXIT] ; tolerance set by SDIGS ; in Program Entry Mode, the RPN program must be specified by PGMSLV and the variable to solve for using the TamVarOnly menu ; SOLVE will skip the next program step if no root is found (TAM : SOLVE __ TamLbOnly menu (uses TamVarOnly menu in PEM, to specify variable to solve for) ; Info : displays current top and bottom results and iteration counter ; shown if flag MONIT is SET ; Displays : Accuracy $\approx$; <var1..n> =) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_ADV_page_1.pdf	SOLVING	CLEAR	<no annunciator>

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
Solver	cpxSlv	Command (nonpgm)		Menu [ToolS.1] F3	Complex solver (variable limits)	Solve the algebraic expression (= 0) entered in the equation editor for complex roots ; interrupt by [EXIT] ; tolerance set by SDIGS ; solver estimates set from variables (4Est, 4Est) (Info : Displays current evaluated number and iteration counter ; shown if flag MONIT is SET ; TI : Result Code = ; Accuracy ≈ ; <var>prev = ; <var> = (optionally: conjugates) ; Ref : https://47calc.com/doc/R47/Reference/R47v0_Solver_Result_Codes.pdf Ref : https://47calc.com/doc/R47/Menus/R47v0_Menu_ToolSlv_page_1.pdf	SOLVING	CLEAR	<no annunciator>
	cpxSlv ^x	Command (nonpgm)		Menu [ToolS.1] F2	Complex solver (stack limits)	Solve the algebraic expression (= 0) entered in the equation editor for complex roots ; interrupt by [EXIT] ; tolerance set by SDIGS ; solver estimates set from stack (Y, X) (Info : Displays current evaluated number and iteration counter ; shown if flag MONIT is SET ; TI : Result Code = ; Accuracy ≈ ; <var>prev = ; <var> = (optionally: conjugates) ; Ref : https://47calc.com/doc/R47/Reference/R47v0_Solver_Result_Codes.pdf Ref : https://47calc.com/doc/R47/Menus/R47v0_Menu_ToolSlv_page_1.pdf	SOLVING	CLEAR	<no annunciator>
	realSlv	Command (nonpgm)		Menu [ToolS.1] FF3	Real solver (variable limits)	Solve the algebraic expression (= 0) entered in the equation editor for real roots ; interrupt by [EXIT] ; tolerance set by SDIGS ; monitoring set by MONIT ; solver estimates set from variables (4Est, 4Est) (Info : Displays current evaluated number and iteration counter ; shown if flag MONIT is SET ; TI : Result Code = ; Accuracy ≈ ; <var>prev = ; <var> =) Ref : https://47calc.com/doc/R47/Menus/R47v0_Menu_ToolSlv_page_1.pdf	SOLVING	CLEAR	<no annunciator>
	realSlv ^x	Command (nonpgm)		Menu [ToolS.1] FF2	Real solver (stack limits)	Solve the algebraic expression (= 0) entered in the equation editor for real roots ; interrupt by [EXIT] ; tolerance set by SDIGS ; monitoring set by MONIT ; solver estimates set from stack (Y, X) (Info : Displays current evaluated number and iteration counter ; shown if flag MONIT is SET ; TI : Result Code = ; Accuracy ≈ ; <var>prev = ; <var> =) Ref : https://47calc.com/doc/R47/Menus/R47v0_Menu_ToolSlv_page_1.pdf	SOLVING	CLEAR	<no annunciator>
Speed conversions	ft/s→km/h	Function (monadic, linked)		Menu [Speedi.1] FF1	ft/s to km/h	Convert foot per second to kilometre per hour (TI : km/h) Ref : https://47calc.com/doc/R47/Menus/R47v0_Menu_Speed_page_1.pdf	CONVHP	SET	<no annunciator>
	ft/s→m/s	Function (monadic, linked)		Menu [Speedi.1] FF5	ft/s to m/s	Convert foot per second to metre per second (TI : m/s) Ref : https://47calc.com/doc/R47/Menus/R47v0_Menu_Speed_page_1.pdf	CONVHP	SET	<no annunciator>
	ft/s→mph	Function (monadic, linked)		Menu [Speedi.1] FF3	ft/s to mph	Convert foot per second to mile per hour (TI : mph) Ref : https://47calc.com/doc/R47/Menus/R47v0_Menu_Speed_page_1.pdf	CONVHP	SET	<no annunciator>
	fur/ftn→km/h	Function (monadic, linked)		Menu [FFF+.1] FF5	fur/ftn to km/h	Convert furlong per fortnight to kilometre per hour (TI : km/h) Ref : https://47calc.com/doc/R47/Menus/R47v0_Menu_FFF+_page_1.pdf	CONVHP	SET	<no annunciator>
	fur/ftn→m/s	Function (monadic, linked)		Menu [FFF+.1] F5	fur/ftn to m/s	Convert furlong per fortnight to metre per second (TI : m/s) Ref : https://47calc.com/doc/R47/Menus/R47v0_Menu_FFF+_page_1.pdf	CONVHP	SET	<no annunciator>
	fur/ftn→mph	Function (monadic, linked)		Menu [FFF+.1] gF5	fur/ftn to mph	Convert furlong per fortnight to mile per hour (TI : mph) Ref : https://47calc.com/doc/R47/Menus/R47v0_Menu_FFF+_page_1.pdf	CONVHP	SET	<no annunciator>
	km/h→ft/s	Function (monadic, linked)		Menu [Speedi.1] FF2	km/h to ft/s	Convert kilometre per hour to foot per second (TI : ft/s) Ref : https://47calc.com/doc/R47/Menus/R47v0_Menu_Speed_page_1.pdf	CONVHP	SET	<no annunciator>
	km/h→fur/ftn	Function (monadic, linked)		Menu [FFF+.1] FF6	km/h to fur/ftn	Convert kilometre per hour to furlong per fortnight (TI : fur/ftn ; Info : single = ur/ftn+) Ref : https://47calc.com/doc/R47/Menus/R47v0_Menu_FFF+_page_1.pdf	CONVHP	SET	<no annunciator>
	km/h→knot	Function (monadic, linked)		Menu [Speedi.1] gF2	km/h to knot	Convert kilometre per hour to knot (TI : knot) Ref : https://47calc.com/doc/R47/Menus/R47v0_Menu_Speed_page_1.pdf	CONVHP	SET	<no annunciator>
	km/h→m/s	Function (monadic, linked)		Menu [Speedi.1] F2	km/h to m/s	Convert kilometre per hour to metre per second (TI : m/s) Ref : https://47calc.com/doc/R47/Menus/R47v0_Menu_Speed_page_1.pdf	CONVHP	SET	<no annunciator>
	km/h→mph	Function (monadic, linked)		Menu [Speedi.1] F3	km/h to mph	Convert kilometre per hour to mile per hour (TI : mph) Ref : https://47calc.com/doc/R47/Menus/R47v0_Menu_Speed_page_1.pdf	CONVHP	SET	<no annunciator>
	knot→km/h	Function (monadic, linked)		Menu [Speedi.1] gF1	knot to km/h	Convert knot to kilometre per hour (TI : km/h) Ref : https://47calc.com/doc/R47/Menus/R47v0_Menu_Speed_page_1.pdf	CONVHP	SET	<no annunciator>
	knot→m/s	Function (monadic, linked)		Menu [Speedi.1] gF5	knot to m/s	Convert knot to metre per second (TI : m/s) Ref : https://47calc.com/doc/R47/Menus/R47v0_Menu_Speed_page_1.pdf	CONVHP	SET	<no annunciator>
	knot→mph	Function (monadic, linked)		Menu [Speedi.1] gF3	knot to mph	Convert knot to mile per hour (TI : mph) Ref : https://47calc.com/doc/R47/Menus/R47v0_Menu_Speed_page_1.pdf	CONVHP	SET	<no annunciator>
	m/s→ft/s	Function (monadic, linked)		Menu [Speedi.1] FF6	m/s to ft/s	Convert metre per second to foot per second (TI : ft/s) Ref : https://47calc.com/doc/R47/Menus/R47v0_Menu_Speed_page_1.pdf	CONVHP	SET	<no annunciator>
	m/s→fur/ftn	Function (monadic, linked)		Menu [FFF+.1] F6	m/s to fur/ftn	Convert metre per second to furlong per fortnight (TI : fur/ftn ; Info : single = ur/ftn+) Ref : https://47calc.com/doc/R47/Menus/R47v0_Menu_FFF+_page_1.pdf	CONVHP	SET	<no annunciator>
	m/s→km/h	Function (monadic, linked)		Menu [Speedi.1] F1	m/s to km/h	Convert metre per second to kilometre per hour (TI : km/h) Ref : https://47calc.com/doc/R47/Menus/R47v0_Menu_Speed_page_1.pdf	CONVHP	SET	<no annunciator>
	m/s→knot	Function (monadic, linked)		Menu [Speedi.1] gF6	m/s to knot	Convert metre per second to knot (TI : knot) Ref : https://47calc.com/doc/R47/Menus/R47v0_Menu_Speed_page_1.pdf	CONVHP	SET	<no annunciator>
	m/s→mph	Function (monadic, linked)		Menu [Speedi.1] F6	m/s to mph	Convert metre per second to mile per hour (TI : mph) Ref : https://47calc.com/doc/R47/Menus/R47v0_Menu_Speed_page_1.pdf	CONVHP	SET	<no annunciator>
	mph→ft/s	Function (monadic, linked)		Menu [Speedi.1] FF4	mph to ft/s	Convert mile per hour to foot per second (TI : ft/s) Ref : https://47calc.com/doc/R47/Menus/R47v0_Menu_Speed_page_1.pdf	CONVHP	SET	<no annunciator>
	mph→fur/ftn	Function (monadic, linked)		Menu [FFF+.1] gF6	mph to fur/ftn	Convert mile per hour to furlong per fortnight (TI : fur/ftn ; Info : single = ur/ftn+) Ref : https://47calc.com/doc/R47/Menus/R47v0_Menu_FFF+_page_1.pdf	CONVHP	SET	<no annunciator>
	mph→km/h	Function (monadic, linked)		Menu [Speedi.1] F4	mph to km/h	Convert mile per hour to kilometre per hour (TI : km/h) Ref : https://47calc.com/doc/R47/Menus/R47v0_Menu_Speed_page_1.pdf	CONVHP	SET	<no annunciator>
	mph→knot	Function (monadic, linked)		Menu [Speedi.1] gF4	mph to knot	Convert mile per hour to knot (TI : knot) Ref : https://47calc.com/doc/R47/Menus/R47v0_Menu_Speed_page_1.pdf	CONVHP	SET	<no annunciator>
	mph→m/s	Function (monadic, linked)		Menu [Speedi.1] F5	mph to m/s	Convert mile per hour to metre per second (TI : m/s) Ref : https://47calc.com/doc/R47/Menus/R47v0_Menu_Speed_page_1.pdf	CONVHP	SET	<no annunciator>
Stack	z	Command		Menu [STK.1] FF6	Shuffle stack	Shuffle stack: replace X Y Z T by selection of X Y Z T (TAM : z ---- TamShuffle menu) Ref : https://47calc.com/doc/R47/Menus/R47v0_Menu_STK_page_1.pdf			
	>nDROP<	Command (old)			Drop n stack registers	Old version of the command nDROP that contained a bug when used in user programs (Info : May be found in older user programs and raises Error 56 -- Function has changed, please replace ; use nDROP on [MULTSTK.1] FF3 instead)			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	>nDUP<	Command (old)			Duplicate n stack registers	Old version of the command nDUP that contained a bug when used in user programs (Info : May be found in older user programs and raises Error 56 -- Function has changed, please replace ; use nDUP on [MULTSTK.1]fF4 instead)			
	>nSWAP<	Command (old)			Swap n stack registers	Old version of the command nSWAP that contained a bug when used in user programs (Info : May be found in older user programs and raises Error 56 -- Function has changed, please replace ; use nSWAP on [MULTSTK.1]fF5 instead)			
	↵ (UNDO)	Command (nonpgm)		Menu [BLUE7.1]F6	Undo	Restore complete stack, LASTx, STATS and system flags (Info : Error 128 -- Undo failed: likely no memory -- may be raised) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_BLUE7_page_1.pdf			
	↵ (UNDO)	Command (nonpgm)		Keyboard f[←]	Undo	Restore complete stack, LASTx, STATS and system flags (Info : Error 128 -- Undo failed: likely no memory -- may be raised) Ref : https://r7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_4.pdf			
	2RCL	Command		Menu [MULTSTK.1]fF2	Recall X, Y	Recall X, Y from two consecutive registers, specify first register using TAM Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MULTSTK_page_1.pdf			
	2STO	Command		Menu [MULTSTK.1]fF1	Store X, Y	Store X, Y to two consecutive registers, specify first register using TAM Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MULTSTK_page_1.pdf			
	3DROP	Command		Menu [ELEC.2]F6	Drop X, Y, Z	Drop X, Y, Z Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_ELEC_page_2.pdf			
				Menu [XFCNS.3]F3	Drop X, Y, Z	Drop X, Y, Z Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_XFCNS_page_3.pdf			
				Menu [MULTSTK.1]F3	Drop X, Y, Z	Drop X, Y, Z Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MULTSTK_page_1.pdf			
	3DUP	Command		Menu [XFCNS.3]F5	Duplicate X, Y, Z to T, A, B	Duplicate X, Y, Z to T, A, B Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_XFCNS_page_3.pdf			
				Menu [MULTSTK.1]F4	Duplicate X, Y, Z to T, A, B	Duplicate X, Y, Z to T, A, B Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MULTSTK_page_1.pdf			
	3RCL	Command		Menu [XFCNS.3]F2	Recall X, Y, Z	Recall X, Y, Z from three consecutive registers, specify first register using TAM (TAM : 3RCL ... Tam menu) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_XFCNS_page_3.pdf			
				Menu [MULTSTK.1]F2	Recall X, Y, Z	Recall X, Y, Z from three consecutive registers, specify first register using TAM (TAM : 3RCL ... Tam menu) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MULTSTK_page_1.pdf			
	3STO	Command		Menu [XFCNS.3]F1	Store X, Y, Z	Store X, Y, Z to three consecutive registers, specify first register using TAM (TAM : 3STO ... Tam menu) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_XFCNS_page_3.pdf			
				Menu [MULTSTK.1]F1	Store X, Y, Z	Store X, Y, Z to three consecutive registers, specify first register using TAM (TAM : 3STO ... Tam menu) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MULTSTK_page_1.pdf			
	3SWAP	Command		Menu [ELEC.2]F5	Swap X, Y, Z and T, A, B	Swap X, Y, Z and T, A, B Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_ELEC_page_2.pdf			
				Menu [XFCNS.3]F4	Swap X, Y, Z and T, A, B	Swap X, Y, Z and T, A, B Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_XFCNS_page_3.pdf			
				Menu [MULTSTK.1]F5	Swap X, Y, Z and T, A, B	Swap X, Y, Z and T, A, B Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MULTSTK_page_1.pdf			
	4SWAP	Command		Menu [STK.1]gF1	Swap X, Y, Z, T and A, B, C, D	Swap X, Y, Z, T and A, B, C, D (0 : 0) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_STK_page_1.pdf			
				Menu [MULTSTK.1]F6	Swap X, Y, Z, T and A, B, C, D	Swap X, Y, Z, T and A, B, C, D (0 : 0) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MULTSTK_page_1.pdf			
	DROPx	Command		Menu [STK.1]F1	Drop X	Drop X from stack (Shortcut : double [←] (if «DROP is CLEAR -- default)) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_STK_page_1.pdf			
	DROPx	Command		Keyboard double [←]	Drop X	Drop X from stack (Shortcut : double [←] (if «DROP is CLEAR -- default)) Ref : https://r7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_4.pdf			
	DROPy	Command		Menu [STK.1]fF1	Drop Y	Drop Y from stack Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_STK_page_1.pdf			
	ENTER	Command		Keyboard [ENTER]	Enter	If eRPN is SET, in Numeric Input Mode, ENTER pushes the input value onto the stack, and if CLEAR, then it also duplicates X to Y ; without input or in Program Entry Mode, ENTER always duplicates X to Y ; only if eRPN is CLEAR, automatic stack lift is disabled after ENTER (Info : Note that In Program Entry Mode, ENTER terminates numeric input without inserting an ENTER instruction (it is not necessary to separate numbers on consecutive program lines and - if eRPN is SET - ENTER would lead to unnecessary duplication of X) ; For assignments (ASN (g[DRG])), spell the name as 'ENTER' ; Ref : https://r7calc.com/doc/R47/Reference/R47v0_Assignment.pdf Ref : https://r7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_4.pdf	eRPN	SET	8 or 4
	ENTER	Command		Keyboard alpha [ENTER]	Enter	If eRPN is SET, in Numeric Input Mode, ENTER pushes the input value onto the stack, and if CLEAR, then it also duplicates X to Y ; without input or in Program Entry Mode, ENTER always duplicates X to Y ; only if eRPN is CLEAR, automatic stack lift is disabled after ENTER (Info : Note that In Program Entry Mode, ENTER terminates numeric input without inserting an ENTER instruction (it is not necessary to separate numbers on consecutive program lines and - if eRPN is SET - ENTER would lead to unnecessary duplication of X) ; For assignments (ASN (g[DRG])), spell the name as 'ENTER' ; Ref : https://r7calc.com/doc/R47/Reference/R47v0_Assignment.pdf Ref : https://r7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_4.pdf	eRPN	SET	8 or 4

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	ENTER	Command		Keyboard TAM [ENTER]	Enter	If eRPN is SET, in Numeric Input Mode, ENTER pushes the input value onto the stack, and if CLEAR, then it also duplicates X to Y ; without input or in Program Entry Mode, ENTER always duplicates X to Y ; only if eRPN is CLEAR, automatic stack lift is disabled after ENTER (Info : Note that In Program Entry Mode, ENTER terminates numeric input without inserting an ENTER instruction (it is not necessary to separate numbers on consecutive program lines and - if eRPN is SET - ENTER would lead to unnecessary duplication of X) ; For assignments (ASN (g[DRG])), spell the name as 'ENTER' ; Ref : https://r7calc.com/doc/R47/Reference/R47v0_Assignment.pdf Ref : https://r7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_4.pdf	eRPN	SET	8 or 4
	ENTER	Command		Keyboard normalSIM [Enter]	Enter	If eRPN is SET, in Numeric Input Mode, ENTER pushes the input value onto the stack, and if CLEAR, then it also duplicates X to Y ; without input or in Program Entry Mode, ENTER always duplicates X to Y ; only if eRPN is CLEAR, automatic stack lift is disabled after ENTER (Info : Note that In Program Entry Mode, ENTER terminates numeric input without inserting an ENTER instruction (it is not necessary to separate numbers on consecutive program lines and - if eRPN is SET - ENTER would lead to unnecessary duplication of X) ; For assignments (ASN (g[DRG])), spell the name as 'ENTER' ; Ref : https://r7calc.com/doc/R47/Reference/R47v0_Assignment.pdf Ref : https://r7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_4.pdf	eRPN	SET	8 or 4
	ENTER	Command		Keyboard alphaSIM [Enter]	Enter	If eRPN is SET, in Numeric Input Mode, ENTER pushes the input value onto the stack, and if CLEAR, then it also duplicates X to Y ; without input or in Program Entry Mode, ENTER always duplicates X to Y ; only if eRPN is CLEAR, automatic stack lift is disabled after ENTER (Info : Note that In Program Entry Mode, ENTER terminates numeric input without inserting an ENTER instruction (it is not necessary to separate numbers on consecutive program lines and - if eRPN is SET - ENTER would lead to unnecessary duplication of X) ; For assignments (ASN (g[DRG])), spell the name as 'ENTER' ; Ref : https://r7calc.com/doc/R47/Reference/R47v0_Assignment.pdf Ref : https://r7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_4.pdf	eRPN	SET	8 or 4
	FILL	Command		Menu [STK.1] F5	Fill stack	Fill stack with value in the X-register Ref : https://r7calc.com/doc/R47/Menus/R47v0_Menu_STK_page_1.pdf			
	LASTx	Command		Menu [STK.1] F4	Last X	Recall last X (Register L) Ref : https://r7calc.com/doc/R47/Menus/R47v0_Menu_STK_page_1.pdf			
	LASTx	Command		Keyboard f [x2y]	Last X	Recall last X (Register L) Ref : https://r7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_4.pdf			
	LASTx	Command		Keyboard longpress [x2y]	Last X	Recall last X (Register L) Ref : https://r7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_4.pdf			
	nDROP	Command		Menu [MULTSTK.1] fF3	Drop n stack registers	Drop bottom n stack registers (n = 1-4) (TAM : nDROP _ TamNonReg menu) Ref : https://r7calc.com/doc/R47/Menus/R47v0_Menu_MULTSTK_page_1.pdf			
	nDUP	Command		Menu [MULTSTK.1] fF4	Duplicate n stack registers	Duplicate bottom n stack registers to the n stack registers above (n = 1-4) (TAM : nDUP _ TamNonReg menu) Ref : https://r7calc.com/doc/R47/Menus/R47v0_Menu_MULTSTK_page_1.pdf			
	nSWAP	Command		Menu [MULTSTK.1] fF5	Swap n stack registers	Swap bottom n stack registers with the n stack registers above (n = 1-4) (TAM : nSWAP _ TamNonReg menu) Ref : https://r7calc.com/doc/R47/Menus/R47v0_Menu_MULTSTK_page_1.pdf			
	R↑ (R↑)	Command		Menu [MyML9] F5	Roll up	Roll up stack Ref : https://r7calc.com/doc/R47/Menus/R47v0_Menu_MyMenu_page_9.pdf			
				Menu [STK.1] F3	Roll up	Roll up stack Ref : https://r7calc.com/doc/R47/Menus/R47v0_Menu_STK_page_1.pdf			
	R↑ (R↑)	Command		Keyboard g [R↑]	Roll up	Roll up stack Ref : https://r7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_3.pdf			
	R↑ (R↑)	Command		Keyboard longerpress [R↑]	Roll up	Roll up stack Ref : https://r7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_3.pdf			
	R↓ (R↓)	Command		Menu [STK.1] F2	Roll down	Roll down stack Ref : https://r7calc.com/doc/R47/Menus/R47v0_Menu_STK_page_1.pdf			
	R↓ (R↓)	Command		Keyboard normalSIM [d]	Roll down	Roll down stack Ref : https://r7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_3.pdf			
	R↓ (R↓)	Command		Keyboard [R↓]	Roll down	Roll down stack Ref : https://r7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_3.pdf			
	RCL	Command		Keyboard [RCL]	Recall	Recall value from register or variable (TAM : RCL _ TamRcl menu (TamRclTVM when menu TVM is open) ; TI : Rnn: or '<var>' ; (or R.nn: or or '<var>' :) ; Info : local registers .00-.nn etc. need to be allocated using LocR nn+1) Ref : https://r7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_3.pdf			
	RCL	Command		Keyboard normalSIM [r]	Recall	Recall value from register or variable (TAM : RCL _ TamRcl menu (TamRclTVM when menu TVM is open) ; TI : Rnn: or '<var>' ; (or R.nn: or or '<var>' :) ; Info : local registers .00-.nn etc. need to be allocated using LocR nn+1) Ref : https://r7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_3.pdf			
	RCL-	Function (monadic)		Catalog CAT.FCNS RCL-	Recall and subtract	Recall register or variable and subtract X (Shortcut : [RCL] - [-] ; TAM : RCL- _ TamRcl menu)			
	RCL↑	Command		Catalog CAT.FCNS RCL↑	Recall maximum	Recall maximum of X and register or variable (Shortcut : [RCL] - [↑] ; TAM : RCL↑ _ TamRcl menu)			
	RCL↓	Command		Catalog CAT.FCNS RCL↓	Recall minimum	Recall minimum of X and register or variable (Shortcut : [RCL] - [↓] ; TAM : RCL↓ _ TamRcl menu)			
	RCL+	Function (monadic)		Catalog CAT.FCNS RCL+	Recall and add	Recall register or variable and add X (Shortcut : [RCL] - [+] ; TAM : RCL+ _ TamRcl menu)			
	RCL÷	Function (monadic)		Catalog CAT.FCNS RCL÷	Recall and divide	Recall register or variable and divide by X (Shortcut : [RCL] - [÷] ; TAM : RCL÷ _ TamRcl menu)			
	RCL×	Function (monadic)		Catalog CAT.FCNS RCL×	Recall and multiply	Recall register or variable and multiply by X (Shortcut : [RCL] - [×] ; TAM : RCL× _ TamRcl menu)			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	RCLS	Command		Catalog CAT.FCNS RCLS	Recall stack	Recall complete stack from 4 or 8 registers (Shortcut : [RCL] - Stack ; TAM : RCLS ___ TamRcl menu)			
	SSIZE#	Command	8	Menu [INFO.2] F5	Get Stack size	Get Stack size (Info : Set by SSIZE4 or SSIZE8 ; Flag SSIZE8 is default SET) Ref : https://47calc.com/doc/R47/Menu/R47v0_Menu_INFO_page_2.pdf	SSIZE8	SET	8 ; 4
	ST0	Command		Keyboard [ST0]	Store	Store X in global register or variable and create variable if it does not exist ; maximum variable length is : 7 characters (TAM : ST0 ___ TamSto menu (TamStoTVM when menu TVM is open) ; Info : local registers .00-nn etc. need to be allocated using LocR nn+1 ; TI : Rnn : or '<var>' : (or R.nn : or or '<var>') ; Ref : https://47calc.com/doc/R47/Reference/R47v0_Variable_naming.pdf) Ref : https://47calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_3.pdf			
	ST0	Command		Keyboard normalSIM [m]	Store	Store X in global register or variable and create variable if it does not exist ; maximum variable length is : 7 characters (TAM : ST0 ___ TamSto menu (TamStoTVM when menu TVM is open) ; Info : local registers .00-nn etc. need to be allocated using LocR nn+1 ; TI : Rnn : or '<var>' : (or R.nn : or or '<var>') ; Ref : https://47calc.com/doc/R47/Reference/R47v0_Variable_naming.pdf) Ref : https://47calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_3.pdf			
	ST0-	Function (monadic)		Catalog CAT.FCNS ST0-	Subtract X from register	Subtract X from register or variable (Shortcut : [ST0] - [-] ; TAM : ST0- ___ TamSto menu)			
	ST0+	Command		Catalog CAT.FCNS ST0+	Store maximum	Store maximum of X and register or variable (Shortcut : [ST0] - [+] ; TAM : ST0+ ___ TamSto menu)			
	ST0+	Command		Catalog CAT.FCNS ST0+	Store minimum	Store minimum of X and register or variable (Shortcut : [ST0] - [+] ; TAM : ST0+ ___ TamSto menu)			
	ST0+	Function (monadic)		Catalog CAT.FCNS ST0+	Add X into register	Add X into register or variable ; if X is a text string, the target is converted to text string and X is concatenated (Shortcut : [ST0] - [+] ; TAM : ST0+ ___ TamSto menu)			
	ST0÷	Function (monadic)		Catalog CAT.FCNS ST0÷	Divide X into register	Divide register or variable by X (Shortcut : [ST0] - [÷] ; TAM : ST0÷ ___ TamSto menu)			
	ST0×	Function (monadic)		Catalog CAT.FCNS ST0×	Multiply X into register	Multiply register or variable by X (Shortcut : [ST0] - [×] ; TAM : ST0× ___ TamSto menu)			
	ST0S	Command		Catalog CAT.FCNS ST0S	Store stack	Store entire stack in 4 or 8 registers (Shortcut : [ST0] - Stack ; TAM : ST0S ___ TamSto menu)			
	tž	Command		Menu [STK.1] fF5	Swap T	Swap T and register (TAM : tž ___ Tam menu) Ref : https://47calc.com/doc/R47/Menu/R47v0_Menu_STK_page_1.pdf			
	xž	Command		Menu [STK.1] fF2	Swap X	Swap X and register (TAM : xž ___ Tam menu) Ref : https://47calc.com/doc/R47/Menu/R47v0_Menu_STK_page_1.pdf			
	xžy	Command		Keyboard [xžy]	Swap X and Y	Swap register X and register Y Ref : https://47calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_4.pdf			
	xžy	Command		Keyboard normalSIM [TAB ; w]	Swap X and Y	Swap register X and register Y Ref : https://47calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_4.pdf			
	yž	Command		Menu [STK.1] fF3	Swap Y	Swap Y and register (TAM : yž ___ Tam menu) Ref : https://47calc.com/doc/R47/Menu/R47v0_Menu_STK_page_1.pdf			
	zž	Command		Menu [STK.1] fF4	Swap Z	Swap Z and register (TAM : zž ___ Tam menu) Ref : https://47calc.com/doc/R47/Menu/R47v0_Menu_STK_page_1.pdf			
Stack and registers	SHOW	Command		Keyboard f[.]	Show	Show item in maximum detail, according to data type (tag) : Long integers up to 10 ¹²³ will be displayed in large numeric font ; up to 10 ⁴¹⁶ in the medium standard font and up to 10 ¹⁰⁰⁰ in tiny font ; Real numbers in SIG 6, UNIT 3, SCI 3 ; Complex numbers (RECT and POLAR) in SIG 4 ; Virtual compound data types are shown with all digits in large, medium or tiny font (Info : Key [R/S] changes view for Long integers ; Virtual compound data types (font size, next page) ; use [*] or [4] to scroll through all registers (and matrix variables) ; when menu XFNS is open, if XYZ contains result in Virtual compound data type, SHOW displays X : XY+Z = <value> and ditto for T : TA+B and for the dedicated triple register storage, e.g. R00 : FMA: (fused multiply-add) ; Ref : https://47calc.com/doc/R47/Reference/R47v0_Datatypes.pdf) Ref : https://47calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_8.pdf			
Status	VIEW	Command		Menu [BLUE7.2] F2	View	View register or variable (with preceding TI) (TAM : VIEW ___ Tam menu ; Info : if ðACT is SET, VIEW will print when executed from the keyboard in MAN, NORM or TRACE ; in Program Entry Mode, ðEN must be SET as well ; if ðACT is CLEAR and ðEN is SET, VIEW halts execution (R/S)) Ref : https://47calc.com/doc/R47/Menu/R47v0_Menu_BLUE7_page_2.pdf			
	VIEW	Command		Keyboard f[0]	View	View register or variable (with preceding TI) (TAM : VIEW ___ Tam menu ; Info : if ðACT is SET, VIEW will print when executed from the keyboard in MAN, NORM or TRACE ; in Program Entry Mode, ðEN must be SET as well ; if ðACT is CLEAR and ðEN is SET, VIEW halts execution (R/S)) Ref : https://47calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_8.pdf			
Stopwatch	LAP→R0	Command	0	Menu [STOPW.1] F4	Store lap time in register	Store lap time in register, increment CRA (Current Register Address) and reset lap timer ; subscript shows CRA (Shortcut : [.] (STOPW active)) Ref : https://47calc.com/doc/R47/Menu/R47v0_Menu_STOPW_page_1.pdf			
	LAP→Σ0	Command	0	Menu [STOPW.1] F2	Add lap time to STATS	Add lap time to STATS (statistics matrix) and reset lap timer ; subscript shows number of data points (Shortcut : [+] (STOPW active)) Ref : https://47calc.com/doc/R47/Menu/R47v0_Menu_STOPW_page_1.pdf			
	R/S	Command		Menu [STOPW.1] F5	Start/stop stopwatch	Start/stop the stopwatch (Shortcut : [R/S] (STOPW active)) Ref : https://47calc.com/doc/R47/Menu/R47v0_Menu_STOPW_page_1.pdf			
	RCL	Command (nonpgm)		Menu [STOPW.1] fF3	Recall and load to timer	Recall register value and load to stopwatch timer (decimal hours or time value) (Shortcut : [RCL] (STOPW active)) Ref : https://47calc.com/doc/R47/Menu/R47v0_Menu_STOPW_page_1.pdf			
	RCLΣ	Command (nonpgm)		Menu [STOPW.1] fF4	Recall and load to countdown	Recall register value and load to countdown timer (decimal hours or time value) Ref : https://47calc.com/doc/R47/Menu/R47v0_Menu_STOPW_page_1.pdf			
	RESET	Command		Menu [STOPW.1] F6	Reset stopwatch	Reset the stopwatch (Shortcut : [+] (STOPW active)) Ref : https://47calc.com/doc/R47/Menu/R47v0_Menu_STOPW_page_1.pdf			
	TIM→R0	Command	0	Menu [STOPW.1] F3	Store time in register	Store time in register and increment CRA (Current Register Address) ; subscript shows R/S (Shortcut : [ENTER] (STOPW active)) Ref : https://47calc.com/doc/R47/Menu/R47v0_Menu_STOPW_page_1.pdf			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	$TIM \rightarrow \Sigma_0$	Command	0	Menu [STOPW.1] F1	Add time to STATS	Add time to STATS (statistics matrix) ; subscript shows number of data points (Shortcut : [Σ +] (STOPW active)) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_STOPW_page_1.pdf			
Summary statistics	n ($n\Sigma$)	Command		Menu [FIN.1] F3	n	Number of samples Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_FIN_page_1.pdf			
				Menu [STAT.1] G1	n	Number of samples Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_STAT_page_1.pdf			
				Menu [PLOT.1] G1	n	Number of samples Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_PLOT_page_1.pdf			
				Menu [PLOT.2] G1	n	Number of samples Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_PLOT_page_2.pdf			
	s	Command		Menu [STAT.1] F3	Sample standard deviation	Sample standard deviation -- see Formula_STDDVWEIGHTED.png ; https://n7calc.com/doc/Images/Formula_STDDVWEIGHTED.png (TI : $s_x = ; s_y =$) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_STAT_page_1.pdf			
	$s_{\bar{x}}$	Command		Menu [STAT.1] F5	Standard error of the mean	Standard error of the mean -- see Formula_SM.png ; https://n7calc.com/doc/Images/Formula_SM.png (TI : $s_{mx} = ; s_{my} =$) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_STAT_page_1.pdf			
	s_{mW}	Command		Menu [STAT.1] FF5	Standard error of the weighted mean	Standard error of the weighted mean -- see Formula_SMW.png ; https://n7calc.com/doc/Images/Formula_SMW.png (TI : $s_{mw} =$) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_STAT_page_1.pdf			
	s_W	Command		Menu [STAT.1] FF3	Weighted population standard deviation	Weighted population standard deviation -- see Formula_SW.png ; https://n7calc.com/doc/Images/Formula_SW.png (TI : $s_w =$) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_STAT_page_1.pdf			
	$x\%ILE$	Command		Menu [STAT.2] FF2	Percentile	Percentile (TI : $pctile_x = ; pctile_y =$) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_STAT_page_2.pdf			
	$xIQR$	Command		Menu [STAT.2] FF4	Interquartile range	Interquartile range for both X and Y ; this is equal to $Q_3 - Q_1$ (TI : $iqr_x = ; iqr_y =$) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_STAT_page_2.pdf			
	$xHAD$	Command		Menu [STAT.2] FF3	Median absolute deviation	Median absolute deviation for both X and Y ; this is the median of the differences between each data point and the overall median (TI : $mad_x = ; mad_y =$) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_STAT_page_2.pdf			
	$xHAX$	Command		Menu [STAT.2] F5	Maxima	Maxima (TI : $x_{max} = ; y_{max} =$) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_STAT_page_2.pdf			
	$xMEDN$	Command		Menu [STAT.2] F3	Median	Sort the data and return the middle value for both X and Y ; for an even number of samples, the arithmetic mean of the two middle values is returned (TI : $md_x = ; md_y =$) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_STAT_page_2.pdf			
	$xMIN$	Command		Menu [STAT.2] F1	Minima	Minima (TI : $x_{min} = ; y_{min} =$) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_STAT_page_2.pdf			
	$xQ1$	Command		Menu [STAT.2] F2	Lower quartile	Lower quartile for both X and Y -- see https://en.wikipedia.org/wiki/Quartile#Method_1 (TI : $Q_1 x = ; Q_1 y =$) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_STAT_page_2.pdf			
	$xQ3$	Command		Menu [STAT.2] F4	Upper quartile	Upper quartile for both X and Y -- see https://en.wikipedia.org/wiki/Quartile#Method_1 (TI : $Q_3 x = ; Q_3 y =$) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_STAT_page_2.pdf			
	$xRANGE$	Command		Menu [STAT.2] FF6	Stats range	Range for both X and Y ; this is equal to $MAX - MIN$ of the statistics matrix (STATS) (TI : $rg_x = ; rg_y =$) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_STAT_page_2.pdf			
	$xSUM$	Command		Menu [STAT.2] F6	$xSUM$	Return Σx and Σy in X and Y respectively (TI : $\Sigma_x = ; \Sigma_y =$) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_STAT_page_2.pdf			
	ϵ	Command		Menu [STAT.1] G3	Scattering factor for a lognormal sample	Scattering factor for a lognormal sample -- see Formula_SCATTFACT.png ; https://n7calc.com/doc/Images/Formula_SCATTFACT.png (TI : $\epsilon_x = ; \epsilon_y =$) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_STAT_page_1.pdf			
	ϵ_m	Command		Menu [STAT.1] G5	Scattering factor of the geometric mean	Scattering factor of the geometric mean -- see Formula_SCATTFACTm.png ; https://n7calc.com/doc/Images/Formula_SCATTFACTm.png (TI : $\epsilon_{mx} = ; \epsilon_{my} =$) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_STAT_page_1.pdf			
	ϵ_p	Command		Menu [STAT.1] G4	Scattering factor for a lognormal population	Scattering factor for a lognormal population -- see Formula_SCATTFACTp.png ; https://n7calc.com/doc/Images/Formula_SCATTFACTp.png (TI : $\epsilon_{px} = ; \epsilon_{py} =$) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_STAT_page_1.pdf			
	σ	Command		Menu [STAT.1] F4	Population standard deviation	Population standard deviation -- see Formula_STDDEV.png ; https://n7calc.com/doc/Images/Formula_STDDEV.png (TI : $\sigma_x = ; \sigma_y =$) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_STAT_page_1.pdf			
	Σ^-	Command		Menu [FIN.1] FF1	Sigma-	Remove data from the statistics matrix (STATS) and put the values on the stack (TI : nnn data points ; Info : Σ^- pushes values onto the stack unless automatic stack lift is disabled, e.g. by Σ^+) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_FIN_page_1.pdf			
				Menu [STAT.1] FF1	Sigma-	Remove data from the statistics matrix (STATS) and put the values on the stack (TI : nnn data points ; Info : Σ^- pushes values onto the stack unless automatic stack lift is disabled, e.g. by Σ^+) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_STAT_page_1.pdf			
				Menu [PLOT.1] FF1	Sigma-	Remove data from the statistics matrix (STATS) and put the values on the stack (TI : nnn data points ; Info : Σ^- pushes values onto the stack unless automatic stack lift is disabled, e.g. by Σ^+) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_PLOT_page_1.pdf			
				Menu [PLOT.2] FF1	Sigma-	Remove data from the statistics matrix (STATS) and put the values on the stack (TI : nnn data points ; Info : Σ^- pushes values onto the stack unless automatic stack lift is disabled, e.g. by Σ^+) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_PLOT_page_2.pdf			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	σ_w	Command		Menu [STAT.1] fF4	Weighted population standard deviation	Weighted population standard deviation -- see Formula_STDDEVPOP.png : https://r7calc.com/doc/Images/Formula_STDDEVPOP.png (TI : $\sigma_w =$) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_STAT_page_1.pdf			
	$\Sigma+$	Command		Menu [FIN.1] F1	Sigma+	Enter data into the statistics matrix (STATS) (TI : nnn data point(s) ; Info : if a nx2 matrix is in X, $\Sigma+$ appends the data to the STATS matrix (creating it as necessary) ; $\Sigma+$ disables automatic stack lift for the next entry) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_FIN_page_1.pdf			
				Menu [STAT.1] F1	Sigma+	Enter data into the statistics matrix (STATS) (TI : nnn data point(s) ; Info : if a nx2 matrix is in X, $\Sigma+$ appends the data to the STATS matrix (creating it as necessary) ; $\Sigma+$ disables automatic stack lift for the next entry) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_STAT_page_1.pdf			
				Menu [PLOT.1] F1	Sigma+	Enter data into the statistics matrix (STATS) (TI : nnn data point(s) ; Info : if a nx2 matrix is in X, $\Sigma+$ appends the data to the STATS matrix (creating it as necessary) ; $\Sigma+$ disables automatic stack lift for the next entry) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_PLOT_page_1.pdf			
				Menu [PLOT.2] F1	Sigma+	Enter data into the statistics matrix (STATS) (TI : nnn data point(s) ; Info : if a nx2 matrix is in X, $\Sigma+$ appends the data to the STATS matrix (creating it as necessary) ; $\Sigma+$ disables automatic stack lift for the next entry) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_PLOT_page_2.pdf			
	$\bar{x}$	Command		Menu [STAT.1] F2	Arithmetic means	Arithmetic means, x and y -- see Formula_XBAR.png : https://r7calc.com/doc/Images/Formula_XBAR.png (TI : $\bar{x} = ; \bar{y} =$) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_STAT_page_1.pdf			
	$\bar{x}_w$	Command		Menu [STAT.1] fF2	Weighted mean	Data evaluation of weighted mean -- see Formula_XW.png : https://r7calc.com/doc/Images/Formula_XW.png (TI : $\bar{x}_w =$) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_STAT_page_1.pdf			
	$\bar{x}_G$	Command		Menu [STAT.1] gF2	Geometric mean	Data evaluation of geometric mean -- see Formula_XG.png : https://r7calc.com/doc/Images/Formula_XG.png (TI : $\bar{x}_G = ; \bar{y}_G =$) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_STAT_page_1.pdf			
	$\bar{x}_H$	Command		Menu [STAT.1] fF6	Harmonic mean	Data evaluation of harmonic mean -- see Formula_XH.png : https://r7calc.com/doc/Images/Formula_XH.png (TI : $\bar{x}_H = ; \bar{y}_H =$) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_STAT_page_1.pdf			
	$\bar{x}_{RMS}$	Command		Menu [STAT.1] F6	Quadratic mean	Data evaluation of quadratic mean -- see Formula_XRMS.png : https://r7calc.com/doc/Images/Formula_XRMS.png (TI : $\bar{x}_{RMS} = ; \bar{y}_{RMS} =$) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_STAT_page_1.pdf			
Summation	$\Sigma \ln^2 x$	Command		Menu [PLOT.2] F3	Summation of $\ln^2 x$	Summation of $\ln^2 x$ using statistics matrix (STATS) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_PLOT_page_2.pdf			
	$\Sigma \ln^2 y$	Command		Menu [PLOT.2] F5	Summation of $\ln^2 y$	Summation of $\ln^2 y$ using statistics matrix (STATS) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_PLOT_page_2.pdf			
	$\Sigma \ln x$	Command		Menu [PLOT.2] F2	Summation of $\ln x$	Summation of $\ln x$ using statistics matrix (STATS) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_PLOT_page_2.pdf			
	$\Sigma \ln x \cdot \ln y$	Command		Menu [PLOT.2] fF3	Summation of $\ln x \cdot \ln y$	Summation of $\ln x \cdot \ln y$ using statistics matrix (STATS) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_PLOT_page_2.pdf			
	$\Sigma \ln y$	Command		Menu [PLOT.2] F4	Summation of $\ln y$	Summation of $\ln y$ using statistics matrix (STATS) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_PLOT_page_2.pdf			
	Σx	Command		Menu [FIN.1] fF2	Summation of x	Summation of x using statistics matrix (STATS) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_FIN_page_1.pdf			
				Menu [PLOT.1] F2	Summation of x	Summation of x using statistics matrix (STATS) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_PLOT_page_1.pdf			
	$\Sigma x \cdot \ln y$	Command		Menu [PLOT.2] fF4	Summation of $x \cdot \ln y$	Summation of $x \cdot \ln y$ using statistics matrix (STATS) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_PLOT_page_2.pdf			
	Σx^2	Command		Menu [PLOT.1] F3	Summation of x^2	Summation of x^2 using statistics matrix (STATS) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_PLOT_page_1.pdf			
	$\Sigma x^2 \cdot \ln y$	Command		Menu [PLOT.2] fF5	Summation of $x^2 \cdot \ln y$	Summation of $x^2 \cdot \ln y$ using statistics matrix (STATS) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_PLOT_page_2.pdf			
	$\Sigma x^2 y$	Command		Menu [PLOT.2] F6	Summation of $x^2 y$	Summation of $x^2 y$ using statistics matrix (STATS) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_PLOT_page_2.pdf			
	$\Sigma x^2 y^{-1}$	Command		Menu [PLOT.2] fF6	Summation of $x^2 y^{-1}$	Summation of $x^2 y^{-1}$ using statistics matrix (STATS) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_PLOT_page_2.pdf			
	Σx^3	Command		Menu [PLOT.1] gF2	Summation of x^3	Summation of x^3 using statistics matrix (STATS) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_PLOT_page_1.pdf			
	Σx^4	Command		Menu [PLOT.1] gF3	Summation of x^4	Summation of x^4 using statistics matrix (STATS) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_PLOT_page_1.pdf			
	Σx^{-1}	Command		Menu [PLOT.1] fF2	Summation of x^{-1}	Summation of x^{-1} using statistics matrix (STATS) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_PLOT_page_1.pdf			
	$\Sigma x^{-1} \cdot \ln y$	Command		Menu [PLOT.2] gF4	Summation of $x^{-1} \cdot \ln y$	Summation of $x^{-1} \cdot \ln y$ using statistics matrix (STATS) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_PLOT_page_2.pdf			
	Σx^{-2}	Command		Menu [PLOT.1] fF3	Summation of x^{-2}	Summation of x^{-2} using statistics matrix (STATS) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_PLOT_page_1.pdf			
	Σxy	Command		Menu [PLOT.1] F6	Summation of xy	Summation of xy using statistics matrix (STATS) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_PLOT_page_1.pdf			
	Σxy^{-1}	Command		Menu [PLOT.1] fF6	Summation of xy^{-1}	Summation of xy^{-1} using statistics matrix (STATS) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_PLOT_page_1.pdf			
	Σy	Command		Menu [PLOT.1] F4	Summation of y	Summation of y using statistics matrix (STATS) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_PLOT_page_1.pdf			
	$\Sigma y \cdot \ln x$	Command		Menu [PLOT.2] fF2	Summation of $y \cdot \ln x$	Summation of $y \cdot \ln x$ using statistics matrix (STATS) Ref : https://r7calc.com/doc/RN7/Menu/RN7v0_Menu_PLOT_page_2.pdf			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	Σy^2	Command		Menu [PLOT.1] F5	Summation of y^2	Summation of y^2 using statistics matrix (STATS) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_PLOT_page_1.pdf			
	Σy^{-1}	Command		Menu [PLOT.1] FF4	Summation of y^{-1}	Summation of y^{-1} using statistics matrix (STATS) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_PLOT_page_1.pdf			
	Σy^{-2}	Command		Menu [PLOT.1] FF5	Summation of y^{-2}	Summation of y^{-2} using statistics matrix (STATS) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_PLOT_page_1.pdf			
System	<ON>	Command			Switch on	Switch on calculator (Shortcut : Switched OFF - [EXIT])			
	ActUSB	Command (HW)		Menu [MODE.1] FF2	Activate USB disk	Activate USB disk without exiting to DMCP ; hardware only (Info : Error 126 -- Not available on the simulator -- is raised when this command is performed on the simulator) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MODE_page_1.pdf			
				Menu [MyML4] F2	Activate USB disk	Activate USB disk without exiting to DMCP ; hardware only (Info : Error 126 -- Not available on the simulator -- is raised when this command is performed on the simulator) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MyMenu_page_4.pdf			
				Menu [MyML8] F2	Activate USB disk	Activate USB disk without exiting to DMCP ; hardware only (Info : Error 126 -- Not available on the simulator -- is raised when this command is performed on the simulator) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MyMenu_page_8.pdf			
				Menu [PREF.1] F2	Activate USB disk	Activate USB disk without exiting to DMCP ; hardware only (Info : Error 126 -- Not available on the simulator -- is raised when this command is performed on the simulator) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_PREF_page_1.pdf			
	BATT	Command (HW)		Menu [INFO.1] FF2	Battery voltage	Get battery voltage ± 1 mV ; hardware only (TI : V = ; Info : Error 126 -- Not available on the simulator -- is raised when this command is performed on the simulator) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_INFO_page_1.pdf			
	DISK	Command (HW)		Menu [INFO.1] FF3	Disk state	Get DMCP status of the FAT disk ; hardware only (Info : Error 126 -- Not available on the simulator -- is raised when this command is performed on the simulator) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_INFO_page_1.pdf			
	DMCP	Command (HW)		Menu [MODE.1] FF1	Access DMCP menu	Access DMCP menu ; hardware only ; use EXIT to return without RESET -- see https://technical.swissmicros.com/dm42/doc/dm42_user_manual.html#dmcp_sys_menu (Info : Error 126 -- Not available on the simulator -- is raised when this command is performed on the simulator ; Ref : https://r7calc.com/doc/R47/Reference/R47v0_DMCP_menu.pdf) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MODE_page_1.pdf			
				Menu [MyML4] F1	Access DMCP menu	Access DMCP menu ; hardware only ; use EXIT to return without RESET -- see https://technical.swissmicros.com/dm42/doc/dm42_user_manual.html#dmcp_sys_menu (Info : Error 126 -- Not available on the simulator -- is raised when this command is performed on the simulator ; Ref : https://r7calc.com/doc/R47/Reference/R47v0_DMCP_menu.pdf) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MyMenu_page_4.pdf			
				Menu [MyML8] F1	Access DMCP menu	Access DMCP menu ; hardware only ; use EXIT to return without RESET -- see https://technical.swissmicros.com/dm42/doc/dm42_user_manual.html#dmcp_sys_menu (Info : Error 126 -- Not available on the simulator -- is raised when this command is performed on the simulator ; Ref : https://r7calc.com/doc/R47/Reference/R47v0_DMCP_menu.pdf) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MyMenu_page_8.pdf			
				Menu [PREF.1] F1	Access DMCP menu	Access DMCP menu ; hardware only ; use EXIT to return without RESET -- see https://technical.swissmicros.com/dm42/doc/dm42_user_manual.html#dmcp_sys_menu (Info : Error 126 -- Not available on the simulator -- is raised when this command is performed on the simulator ; Ref : https://r7calc.com/doc/R47/Reference/R47v0_DMCP_menu.pdf) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_MyMenu_page_8.pdf			
	LASTT	Command		Menu [INFO.1] F3	Last Ticks	Get number of ticks for the previous operation (command, function, program) (Info : One tick is 100 ms) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_INFO_page_1.pdf			
	MEM	Command		Menu [INFO.1] F6	Memory (RAM)	Get amount of free RAM memory, in bytes (TI : Bytes =) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_INFO_page_1.pdf			
	⏻ (OFF)	Command		Keyboard f [EXIT]	Off	Turn off calculator (Info : On the simulator, pressing OFF or quitting the application saves the calculator state in : backupR47.cfg) Ref : https://r7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_8.pdf			
	⏻ (OFF)	Command		Keyboard alpha f [EXIT]	Off	Turn off calculator (Info : On the simulator, pressing OFF or quitting the application saves the calculator state in : backupR47.cfg) Ref : https://r7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_8.pdf			
	RCLCFG	Command		Catalog CAT.FCNS RCLCFG	Recall config	Recall config from register or variable (Shortcut : [RCL] - Config ; TAM : RCLCFG __ TamRcl menu ; Info : displays "Configuration data" in the stack)			
	RESET	Command		Menu [CLR.1] g F1	Reset	Reset the calculator ; fill registers R10-R38 with special values ; this is the only way to do a clean restart if an autoloading file is present (YESNO : Reset? ; Info : Clean startup, no autoloading of SAVFILES/R47auto.sav or SAVFILES/R47.sav ; does not reset the keyboard layout chosen in menu KEYS) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_CLR_page_1.pdf			
	STOCFG	Command		Catalog CAT.FCNS STOCFG	Store config	Store config in register or variable (Shortcut : [STO] - Config ; TAM : STOCFG __ TamSto menu ; Info : displays "Configuration data" in the stack)			
	VERS	Command (nonpgm)		Menu [INFO.1] F1	Version	Show firmware version (TI : Firmware version) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_INFO_page_1.pdf			
	WHO	Command (nonpgm)		Menu [INFO.1] FF1	Who	Show calculator development team and contributor's names (TI : Team names) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_INFO_page_1.pdf			
Temperature conversions	°C→°F	Function (monadic, linked)		Menu [Temp.1] F1	°C to °F	Convert degrees Celsius to degrees Fahrenheit (TI : °F) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Temp_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	°C→K	Function (monadic, linked)		Menu [Temp.1] F3	°C to K	Convert degrees Celsius to Kelvin (TI : K) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Temp_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	°F→°C	Function (monadic, linked)		Menu [Temp.1] F2	°F to °C	Convert degrees Fahrenheit to degrees Celsius (TI : °C) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Temp_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	°F→°R	Function (monadic, linked)		Menu [Temp.1] ff2	°F to °R	Convert degrees Fahrenheit to degrees Rankine (TI : °R) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Temp_page_1.pdf	CONV _{HP}	SET	<no annunciator>

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	°F↔K	Function (monadic, linked)		Menu [Temp.:1] F5	°F to K	Convert degrees Fahrenheit to Kelvin (TI : K) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Temp_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	°R↔°F	Function (monadic, linked)		Menu [Temp.:1] fF1	°R to °F	Convert degrees Rankine to degrees Fahrenheit (TI : °F) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Temp_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	°R↔K	Function (monadic, linked)		Menu [Temp.:1] fF3	°R to K	Convert degrees Rankine to Kelvin (TI : K) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Temp_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	eV/k_B↔K	Function (monadic, linked)		Menu [Temp.:1] fF5	eV/k _B to K	Convert electronvolt/Boltzmann constant to Kelvin (TI : K) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Temp_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	K↔°C	Function (monadic, linked)		Menu [Temp.:1] F4	K to °C	Convert Kelvin to degrees Celsius (TI : °C) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Temp_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	K↔°F	Function (monadic, linked)		Menu [Temp.:1] F6	K to °F	Convert Kelvin to degrees Fahrenheit (TI : °F) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Temp_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	K↔°R	Function (monadic, linked)		Menu [Temp.:1] fF4	K to °R	Convert Kelvin to degrees Rankine (TI : °R) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Temp_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	K↔eV/k_B	Function (monadic, linked)		Menu [Temp.:1] fF6	K to eV/k _B	Convert Kelvin to electronvolt/Boltzmann constant (TI : eV/k _B) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_Temp_page_1.pdf	CONV _{HP}	SET	<no annunciator>
Text functions	>x↔α<	Function (monadic, old)			X to alpha	Old version of the function x↔α, that did not use TAM, to convert character code in X to alpha character (code value pushed to Y) (Info : May be found in older user programs, use x↔α on [α.FN.1] F3 instead)			
	x↔α	Function (monadic)		Menu [α.FN.1] F3	X to alpha	Append character, character code (converted to character), text string or real matrix (converted to text string) to register or variable (TAM : x↔α __ Tam menu ; Info : when X is selected as the destination register or variable, the input is replaced, not appended to (unless it contains a text string in which case it is appended to itself) ; in all cases the original value of X is saved in LASTx ; Error 33 -- Output would exceed 508 characters -- may be raised) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_alpha-FN_page_1.pdf			
	α↔x	Function (monadic)		Menu [α.FN.1] F2	Alpha to X	Convert first alpha character of text string in register or variable to character code (hexadecimal) and remove this character (TAM : α↔x __ Tam menu ; Info : for empty text string, α↔x returns 0 only) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_alpha-FN_page_1.pdf			
	αIP	Command		Menu [α.FN.1] gF3	Alpha Integer Part	Append integer part of X to text string in register or variable (TAM : αIP __ Tam menu ; Info : if the register or variable does not contain a text string, αIP will first convert it to text string) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_alpha-FN_page_1.pdf			
	αLEFT	Command		Menu [α.FN.1] gF5	Alpha left	Left X characters of text string in register or variable ; X is dropped (TAM : αLEFT __ Tam menu) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_alpha-FN_page_1.pdf			
	αLENG	Command		Menu [α.FN.1] F4	Alpha length	Get length of text string in register or variable (TAM : αLENG __ Tam menu) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_alpha-FN_page_1.pdf			
	αLOWER	Function (monadic)		Menu [α.FN.1] fF5	Alpha lowercase	Lowercase of text string in register or variable (TAM : αLOWER __ Tam menu) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_alpha-FN_page_1.pdf			
	αMID	Command		Menu [α.FN.1] gF4	Alpha middle	Get X characters of text string, starting at position Y ; X and Y are dropped (TAM : αMID __ Tam menu) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_alpha-FN_page_1.pdf			
	αPARSE	Command (strike)		Menu [α.FN.1] F6	Alpha parse	Parse alpha input for numeric content (in development) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_alpha-FN_page_1.pdf			
	αPOS	Command		Menu [α.FN.1] F5	Alpha position	Get position (starting from 0) of substring, character or character code in X within text string in register or variable (TAM : αPOS __ Tam menu ; Info : for substring not found or empty text string, αPOS returns -1) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_alpha-FN_page_1.pdf			
	αREV	Function (monadic)		Menu [α.FN.1] gF2	Alpha reverse	Reverse text string in register or variable (TAM : αREV __ Tam menu) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_alpha-FN_page_1.pdf			
	αRIGHT	Command		Menu [α.FN.1] gF6	Alpha right	Right X characters of text string in register or variable ; X is dropped (TAM : αRIGHT __ Tam menu) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_alpha-FN_page_1.pdf			
	αRL	Function (monadic)		Menu [α.FN.1] fF3	Alpha rotate left	Rotate text string in register or variable by X characters to the left (TAM : αRL __ Tam menu ; Info : for empty text string, αRL acts as NOP) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_alpha-FN_page_1.pdf			
	αRR	Function (monadic)		Menu [α.FN.1] fF4	Alpha rotate right	Rotate text string in register or variable by X characters to the right (TAM : αRR __ Tam menu ; Info : for empty text string, αRR acts as NOP) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_alpha-FN_page_1.pdf			
	αSL	Function (monadic)		Menu [α.FN.1] fF1	Alpha shift left	Shift text string in register or variable to the left, deleting X characters (TAM : αSL __ Tam menu ; Info : for empty text string, αSL acts as NOP) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_alpha-FN_page_1.pdf			
	αSR	Function (monadic)		Menu [α.FN.1] fF2	Alpha shift right	Shift text string in register or variable to the right, deleting X characters (TAM : αSR __ Tam menu ; Info : for empty text string, αSR acts as NOP) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_alpha-FN_page_1.pdf			
	αTRIM	Function (monadic)		Menu [α.FN.1] gF1	Alpha trim	Trim character(s) in X from both sides of text string in register or variable ; X may contain a character or character code (TAM : αTRIM __ Tam menu) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_alpha-FN_page_1.pdf			
	αUPPER	Function (monadic)		Menu [α.FN.1] fF6	Alpha UPPERcase	Uppercase of text string in register or variable (TAM : αUPPER __ Tam menu) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_alpha-FN_page_1.pdf			
Text input	↑ (HOME←)	Command		Keyboard alphaSIM [Up]	Cursor to begin	Jump to top left of alpha input Ref : https://r7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_5.pdf			
	↑ (HOME←)	Command		Keyboard alpha [↑]	Cursor to begin	Jump to top left of alpha input Ref : https://r7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_5.pdf			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	↵ (END→)	Command		Keyboard alphaSIM [Down]	Cursor: to end	Jump to bottom right of alpha input Ref : https://n7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_7.pdf			
	↵ (END→)	Command		Keyboard alpha [↵]	Cursor: to end	Jump to bottom right of alpha input Ref : https://n7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_7.pdf			
	ASN (ASSIGN)	Command		Menu [ALPHA.1] fF4	Assign	Assign function, menu or character to a keyboard key or to a button in a menu ; for options including creating user defined menus, see reference page (TAM : ASSIGN α (f[XEQ]) activates "ASSIGN ". TamAlpha menu "_" and allows a function or command to be spelled, to assign it to a key or button ; Info : "ASSIGN _ ." indicates that a key or button can be pressed to assign it to another button or key ; use button ASN ([ALPHA.1] fF4) for character assignments in Alpha Input Mode ; this button is not shown in Program Entry Mode ; Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Assignment.pdf Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_ALPHA__page_1.pdf			
				Menu [KEYS.1] F4	Assign	Assign function, menu or character to a keyboard key or to a button in a menu ; for options including creating user defined menus, see reference page (TAM : ASSIGN α (f[XEQ]) activates "ASSIGN ". TamAlpha menu "_" and allows a function or command to be spelled, to assign it to a key or button ; Info : "ASSIGN _ ." indicates that a key or button can be pressed to assign it to another button or key ; use button ASN ([ALPHA.1] fF4) for character assignments in Alpha Input Mode ; this button is not shown in Program Entry Mode ; Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Assignment.pdf Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_KEYS_page_1.pdf			
				Menu [α (ALPHA).1] fF4	Assign	Assign function, menu or character to a keyboard key or to a button in a menu ; for options including creating user defined menus, see reference page (TAM : ASSIGN α (f[XEQ]) activates "ASSIGN ". TamAlpha menu "_" and allows a function or command to be spelled, to assign it to a key or button ; Info : "ASSIGN _ ." indicates that a key or button can be pressed to assign it to another button or key ; use button ASN ([ALPHA.1] fF4) for character assignments in Alpha Input Mode ; this button is not shown in Program Entry Mode ; Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Assignment.pdf Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_alpha_page_1.pdf			
	ASN (ASSIGN)	Command		Keyboard g[DRG]	Assign	Assign function, menu or character to a keyboard key or to a button in a menu ; for options including creating user defined menus, see reference page (TAM : ASSIGN α (f[XEQ]) activates "ASSIGN ". TamAlpha menu "_" and allows a function or command to be spelled, to assign it to a key or button ; Info : "ASSIGN _ ." indicates that a key or button can be pressed to assign it to another button or key ; use button ASN ([ALPHA.1] fF4) for character assignments in Alpha Input Mode ; this button is not shown in Program Entry Mode ; Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Assignment.pdf Ref : https://n7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_3.pdf			
	ASN (ASSIGN)	Command		Keyboard longerpress [DRG]	Assign	Assign function, menu or character to a keyboard key or to a button in a menu ; for options including creating user defined menus, see reference page (TAM : ASSIGN α (f[XEQ]) activates "ASSIGN ". TamAlpha menu "_" and allows a function or command to be spelled, to assign it to a key or button ; Info : "ASSIGN _ ." indicates that a key or button can be pressed to assign it to another button or key ; use button ASN ([ALPHA.1] fF4) for character assignments in Alpha Input Mode ; this button is not shown in Program Entry Mode ; Ref : https://n7calc.com/doc/RN7/Reference/RN7v0_Assignment.pdf Ref : https://n7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_3.pdf			
	CLA	Command		Keyboard alpha f[*]	Clear alpha	In Alpha Input Mode, clear alpha input buffer ; in Equation Input Mode, clear equation (alpha) input buffer (Shortcut : alpha f[*] ; alpha g[*] ; alpha long [*] ; EIM long [*]) Ref : https://n7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_4.pdf			
	CLA	Command		Keyboard alpha g[*]	Clear alpha	In Alpha Input Mode, clear alpha input buffer ; in Equation Input Mode, clear equation (alpha) input buffer (Shortcut : alpha f[*] ; alpha g[*] ; alpha long [*] ; EIM long [*]) Ref : https://n7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_4.pdf			
	X.EDIT	Command		Menu [ALPHA.1] fF2	Edit X	Edit contents of stack register X as text (Shortcut : alpha long [ENTER] ; EIM long [ENTER]) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_ALPHA__page_1.pdf			
				Menu [NEW (EQ_EDIT).3] F3	Edit X	Edit contents of stack register X as text (Shortcut : alpha long [ENTER] ; EIM long [ENTER]) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_NEW_page_3.pdf			
				Menu [EDIT (EQ_EDIT).3] F3	Edit X	Edit contents of stack register X as text (Shortcut : alpha long [ENTER] ; EIM long [ENTER]) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_EDIT_EQN_page_3.pdf			
				Menu [α (ALPHA).1] fF2	Edit X	Edit contents of stack register X as text (Shortcut : alpha long [ENTER] ; EIM long [ENTER]) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_alpha_page_1.pdf			
	X.EDIT	Command		Keyboard alpha f[ENTER]	Edit X	Edit contents of stack register X as text (Shortcut : alpha long [ENTER] ; EIM long [ENTER]) Ref : https://n7calc.com/doc/RN7/Keyboard/Rows/RN7v0_Keyboard_row_4.pdf			
	X.SWAP	Command		Menu [ALPHA.1] fF3	Swap X	Swap contents of X register with input of alpha buffer or equation editor Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_ALPHA__page_1.pdf			
				Menu [NEW (EQ_EDIT).3] F4	Swap X	Swap contents of X register with input of alpha buffer or equation editor Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_NEW_page_3.pdf			
				Menu [EDIT (EQ_EDIT).3] F4	Swap X	Swap contents of X register with input of alpha buffer or equation editor Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_EDIT_EQN_page_3.pdf			
				Menu [α (ALPHA).1] fF3	Swap X	Swap contents of X register with input of alpha buffer or equation editor Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_alpha_page_1.pdf			
Time conversions	ftn→s	Function (monadic, linked)		Menu [FFF+.1] F3	ftn to s	Convert fortnight to second (T1 : s) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_FFF+_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	s→ftn	Function (monadic, linked)		Menu [FFF+.1] F4	s to ftn	Convert second to fortnight (T1 : ftn) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_FFF+_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	s→year	Function (monadic, linked)		Menu [Misc.1] fF2	s to year	Convert second to year (T1 : year) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_Misc_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	year→s	Function (monadic, linked)		Menu [Misc.1] fF1	year to s	Convert year to second (T1 : s) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_Misc_page_1.pdf	CONV _{HP}	SET	<no annunciator>

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
Time functions	D→J	Function (monadic)		Menu [CLK.1]F2	Date to Julian day number	Convert date to Julian day number (JDN) (Info : Years are astronomical, 0 equals 1 BCE ; JDN .0 equals noon!) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_CLK_page_1.pdf			
	D→x	Function (monadic)		Menu [CLK.1]fF2	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) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_CLK_page_1.pdf			
	D→zyx	Function (monadic)		Menu [CLK.1]fF1	Decompose date	Decompose date to Z, Y, X according to CLK settings for date format Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_CLK_page_1.pdf			
	Date→D	Command		Menu [CLK.1]F1	Date	Current date (TI : Weekday (shown for dates in X, Y, Z)) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_CLK_page_1.pdf			
				Menu [CLK.2]gF1	Date	Current date (TI : Weekday (shown for dates in X, Y, Z)) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_CLK_page_2.pdf			
				Menu [DTSET (CLK).1]gF1	Date	Current date (TI : Weekday (shown for dates in X, Y, Z)) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_DTSET_page_1.pdf			
	DAY	Function (monadic)		Menu [CLK.2]fF4	Day	Day (of date in X) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_CLK_page_2.pdf			
				Menu [DTSET (CLK).1]fF4	Day	Day (of date in X) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_DTSET_page_1.pdf			
	DT→J	Function (dyadic)		Menu [CLK.1]F4	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!) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_CLK_page_1.pdf			
	H.MS→T	Function (monadic)		Menu [CLK.1]gF4	Convert sexagesimal to time	Convert sexagesimal format input sequence to hh:mm:ss hours (Info : NIM input treated as sexagesimal (hh:mm:ss) format ; stack input treated as decimal value) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_CLK_page_1.pdf			
	H→T	Function (monadic)		Menu [CLK.1]gF5	Convert decimal hours to time	Convert decimal hours to hh:mm:ss hours (Info : NIM input treated as sexagesimal (hh:mm:ss) format ; stack input treated as decimal value ; zero time (interval) displayed as "0.1s") Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_CLK_page_1.pdf			
	HOURL	Function (monadic)		Menu [CLK.2]gF6	Hours	Hours (of time in X) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_CLK_page_2.pdf			
				Menu [DTSET (CLK).1]gF6	Hours	Hours (of time in X) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_DTSET_page_1.pdf			
	J/G	Function (monadic)	1752-09-14	Menu [CLK.3]F2	Set Julian-Gregorian transition	Set the day that Julian date changes over to Gregorian date (using date in X) (Info : Input real number according to function x→B) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_CLK_page_3.pdf			
	J/G#	Command	1752-09-14	Menu [CLK.3]F1	Get Julian-Gregorian transition	Get the day that Julian date changes over to Gregorian date (Info : Set by J/G) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_CLK_page_3.pdf			
			1752-09-14	Menu [INFO.2]gF1	Get Julian-Gregorian transition	Get the day that Julian date changes over to Gregorian date (Info : Set by J/G) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_INFO_page_2.pdf			
	J→DT	Command		Menu [CLK.1]F5	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!) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_CLK_page_1.pdf			
	MINUTE	Function (monadic)		Menu [CLK.2]gF5	Minutes	Minutes (of time in X) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_CLK_page_2.pdf			
				Menu [DTSET (CLK).1]gF5	Minutes	Minutes (of time in X) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_DTSET_page_1.pdf			
	MONTH	Function (monadic)		Menu [CLK.2]fF5	Month	Month (of date in X) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_CLK_page_2.pdf			
				Menu [DTSET (CLK).1]fF5	Month	Month (of date in X) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_DTSET_page_1.pdf			
	SECOND	Function (monadic)		Menu [CLK.2]gF4	Seconds	Seconds (of time in X) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_CLK_page_2.pdf			
				Menu [DTSET (CLK).1]gF4	Seconds	Seconds (of time in X) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_DTSET_page_1.pdf			
	Time→T	Command		Menu [CLK.1]F3	Time	Current time Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_CLK_page_1.pdf			
				Menu [CLK.2]gF2	Time	Current time Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_CLK_page_2.pdf			
				Menu [DTSET (CLK).1]gF2	Time	Current time Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_DTSET_page_1.pdf			
	WDAY	Function (monadic)		Menu [CLK.2]fF3	Day of week number (ISO)	Day of week number (ISO, of date in X) regardless of Week of Year rule set (TI : [ISO day] Weekday) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_CLK_page_2.pdf			
				Menu [DTSET (CLK).1]fF3	Day of week number (ISO)	Day of week number (ISO, of date in X) regardless of Week of Year rule set (TI : [ISO day] Weekday) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_DTSET_page_1.pdf			
	WOY	Function (monadic)		Menu [CLK.2]gF3	Week of Year	Week of Year (of date in X) according to rule set (default : W0Y150) (TI : Week of Year =) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_CLK_page_2.pdf			
				Menu [DTSET (CLK).1]gF3	Week of Year	Week of Year (of date in X) according to rule set (default : W0Y150) (TI : Week of Year =) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_DTSET_page_1.pdf			
	WOY#	Command	1.4	Menu [CLK.3]fF1	Get Week of Year rule	Get Week of Year rule (default : W0Y150, week starts on Monday and week number depends on the first Thursday ; returns 1.4) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_CLK_page_3.pdf			
			1.4	Menu [INFO.2]gF2	Get Week of Year rule	Get Week of Year rule (default : W0Y150, week starts on Monday and week number depends on the first Thursday ; returns 1.4) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_INFO_page_2.pdf			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	x→D	Function (monadic)		Menu [CLK.1]gF2	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://n7calc.com/doc/R47/Reference/R47v8_Date_formats.pdf) Ref : https://n7calc.com/doc/R47/Menus/R47v8_Menu_CLK_page_1.pdf			
	YEAR	Function (monadic)		Menu [CLK.2]fF6	Year	Year (of date in X) Ref : https://n7calc.com/doc/R47/Menus/R47v8_Menu_CLK_page_2.pdf			
				Menu [DTSET (CLK).1]fF6	Year	Year (of date in X) Ref : https://n7calc.com/doc/R47/Menus/R47v8_Menu_DTSET_page_1.pdf			
	YYoff	Command		Menu [TamNonRegTrk.1]fF2	Two digit year off	Switch off two digit year conversion in function .d (Info : Displayed in button for YY with subscript "off" as YY _{off}) Ref : https://n7calc.com/doc/R47/Menus/R47v8_Menu_TamNonRegTrk_page_1.pdf			
	YYtrack	Command		Menu [TamNonRegTrk.1]F2	Two digit year tracking	Switch on two digit year conversion tracking to imply the latest century <cc> used in function .d and set the limit for YY to <cc99> to use the full range of years (Info : Displayed in button for .d ; YY with subscript "T" as .d ; YY _{cc99}) Ref : https://n7calc.com/doc/R47/Menus/R47v8_Menu_TamNonRegTrk_page_1.pdf			
	zyx→D	Function (triadic)		Menu [CLK.1]gF1	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://n7calc.com/doc/R47/Reference/R47v8_Date_formats.pdf) Ref : https://n7calc.com/doc/R47/Menus/R47v8_Menu_CLK_page_1.pdf			
	zyx→T	Function (monadic)		Menu [CLK.1]gF3	Compose time	Compose time from 24H hours in Z, minutes in Y, seconds in X Ref : https://n7calc.com/doc/R47/Menus/R47v8_Menu_CLK_page_1.pdf			
	T→zyx	Function (monadic)		Menu [CLK.1]fF3	Decompose time	Decompose time to 24H hours in Z, minutes in Y, seconds in X Ref : https://n7calc.com/doc/R47/Menus/R47v8_Menu_CLK_page_1.pdf			
Time/angle conversions	.ms	Function (monadic, cyclic)		Menu [TRG.1]fF3	Minutes & seconds	Convert sexagesimal format input sequence or decimal stack value to hh:mm:ss hours or dd:mm:ss degrees (cyclic) (Info : NIM input treated as sexagesimal (hh/dd.mmss) format ; stack input treated as decimal value) Ref : https://n7calc.com/doc/R47/Menus/R47v8_Menu_TRG_page_1.pdf			
				Menu [BLUE7.1]gF3	Minutes & seconds	Convert sexagesimal format input sequence or decimal stack value to hh:mm:ss hours or dd:mm:ss degrees (cyclic) (Info : NIM input treated as sexagesimal (hh/dd.mmss) format ; stack input treated as decimal value) Ref : https://n7calc.com/doc/R47/Menus/R47v8_Menu_BLUE7_page_1.pdf			
				Menu [TRG_R47.1]gF3	Minutes & seconds	Convert sexagesimal format input sequence or decimal stack value to hh:mm:ss hours or dd:mm:ss degrees (cyclic) (Info : NIM input treated as sexagesimal (hh/dd.mmss) format ; stack input treated as decimal value) Ref : https://n7calc.com/doc/R47/Menus/R47v8_Menu_TRG_R47_page_1.pdf			
	.ms	Function (monadic, cyclic)		Keyboard g[1/x]	Minutes & seconds	Convert sexagesimal format input sequence or decimal stack value to hh:mm:ss hours or dd:mm:ss degrees (cyclic) (Info : NIM input treated as sexagesimal (hh/dd.mmss) format ; stack input treated as decimal value) Ref : https://n7calc.com/doc/R47/Keyboard/Rows/R47v8_Keyboard_row_2.pdf			
	.ms	Function (monadic, cyclic)		Keyboard longerpress [1/x]	Minutes & seconds	Convert sexagesimal format input sequence or decimal stack value to hh:mm:ss hours or dd:mm:ss degrees (cyclic) (Info : NIM input treated as sexagesimal (hh/dd.mmss) format ; stack input treated as decimal value) Ref : https://n7calc.com/doc/R47/Keyboard/Rows/R47v8_Keyboard_row_2.pdf			
	.ms ⁻¹	Function (monadic)		Menu [CLK.1]fF4	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) Ref : https://n7calc.com/doc/R47/Menus/R47v8_Menu_CLK_page_1.pdf			
				Menu [TRG.1]fF4	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) Ref : https://n7calc.com/doc/R47/Menus/R47v8_Menu_TRG_page_1.pdf			
				Menu [TRG_R47.1]gF4	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) Ref : https://n7calc.com/doc/R47/Menus/R47v8_Menu_TRG_R47_page_1.pdf			
Torque/moment conversions	ft·lbf→N·m	Function (monadic, linked)		Menu [Misc.1]F4	ft·lbf to N·m	Convert foot-pound force to Newton-metre (TI : N·m) Ref : https://n7calc.com/doc/R47/Menus/R47v8_Menu_Misc_page_1.pdf	CONV _{HP}	SET	<no annunciator>
				Menu [MLoads.1]F1	ft·lbf to N·m	Convert foot-pound force to Newton-metre (TI : N·m) Ref : https://n7calc.com/doc/R47/Menus/R47v8_Menu_Mloads_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	in·lbf→N·m	Function (monadic, linked)		Menu [MLoads.1]F3	in·lbf to N·m	Convert inch-pound force to Newton-metre (TI : N·m) Ref : https://n7calc.com/doc/R47/Menus/R47v8_Menu_Mloads_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	N·m→ft·lbf	Function (monadic, linked)		Menu [Misc.1]F3	N·m to ft·lbf	Convert Newton-metre to foot-pound force (TI : ft·lbf) Ref : https://n7calc.com/doc/R47/Menus/R47v8_Menu_Misc_page_1.pdf	CONV _{HP}	SET	<no annunciator>
				Menu [MLoads.1]F2	N·m to ft·lbf	Convert Newton-metre to foot-pound force (TI : ft·lbf) Ref : https://n7calc.com/doc/R47/Menus/R47v8_Menu_Mloads_page_1.pdf	CONV _{HP}	SET	<no annunciator>
	N·m→in·lbf	Function (monadic, linked)		Menu [MLoads.1]F4	N·m to in·lbf	Convert Newton-metre to inch-pound force (TI : in·lbf) Ref : https://n7calc.com/doc/R47/Menus/R47v8_Menu_Mloads_page_1.pdf	CONV _{HP}	SET	<no annunciator>
Trailing input	...EL (RCLLEL)	Command (TAM)		Menu [TamRcl.1]gF1	Recall matrix element	Presented in menu TamRcl to recall current element of indexed matrix (Shortcut : [RCL] - ...EL ; TI : M[i,j] _c =<name> [<row> <col>]=) Ref : https://n7calc.com/doc/R47/Menus/R47v8_Menu_TamRcl_page_1.pdf			
	...EL (STOEL)	Command (TAM)		Menu [TamSto.1]gF1	Store X into matrix element	Presented in menu TamSto to store X into current element of indexed matrix (Shortcut : [STO] - Config ; TI : M[i,j] _c =<name> [<row> <col>]=) Ref : https://n7calc.com/doc/R47/Menus/R47v8_Menu_TamSto_page_1.pdf			
	...IJ (RCLIJ)	Command (TAM)		Menu [TamRcl.1]gF2	Recall current matrix index	Presented in menu TamRcl to recall current matrix index (row I and column J) (Shortcut : [RCL] - ...IJ ; TI : M<name> :i _r = ; M<name> :j _c =) Ref : https://n7calc.com/doc/R47/Menus/R47v8_Menu_TamRcl_page_1.pdf			
	...IJ (STOIJ)	Command (TAM)		Menu [TamSto.1]gF2	Set current matrix index	Presented in menu TamSto to set current matrix index (row I and column J) (Shortcut : [STO] - ...IJ ; TI : M<name> :i _r = ; M<name> :j _c =) Ref : https://n7calc.com/doc/R47/Menus/R47v8_Menu_TamSto_page_1.pdf			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	...INDEX (INDEX)	Command (TAM)		Menu [TamSto.1] fF4	Index matrix	Presented in menu TamSto to Index matrix in a register or variable ; set row I to I, column J to J ; clear flags WRPEDG and WRPEND ; index wraps automatically, setting these flags ; index is dropped upon exit of matrix editor (TAM : INDEX ... Tam menu ; TI : M[I,J]=<name> [<row><col>]) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_TamSto_page_1.pdf			
	...Max (RCL↑)	Command (TAM)		Menu [TamRcl.1] fF8	Recall maximum	Presented in menu TamRcl to recall maximum of X and register or variable (Shortcut : [RCL] - [↑] ; TAM : RCL↑ ... TamRcl menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_TamRcl_page_1.pdf			
				Menu [TamRclTVM.1] gF4	Recall maximum	Presented in menu TamRcl to recall maximum of X and register or variable (Shortcut : [RCL] - [↑] ; TAM : RCL↑ ... TamRcl menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_TamRclTVM_page_1.pdf			
				Menu [TamStoTVM.1] gF4	Recall maximum	Presented in menu TamRcl to recall maximum of X and register or variable (Shortcut : [RCL] - [↑] ; TAM : RCL↑ ... TamRcl menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_TamStoTVM_page_1.pdf			
	...Max (STO↑)	Command (TAM)		Menu [TamSto.1] fF8	Store maximum	Presented in menu TamSto to store maximum of X and register or variable (Shortcut : [STO] - [↑] ; TAM : STO↑ ... TamSto menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_TamSto_page_1.pdf			
	...Min (RCL↓)	Command (TAM)		Menu [TamRcl.1] fF5	Recall minimum	Presented in menu TamRcl to recall minimum of X and register or variable (Shortcut : [RCL] - [↓] ; TAM : RCL↓ ... TamRcl menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_TamRcl_page_1.pdf			
				Menu [TamRclTVM.1] gF3	Recall minimum	Presented in menu TamRcl to recall minimum of X and register or variable (Shortcut : [RCL] - [↓] ; TAM : RCL↓ ... TamRcl menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_TamRclTVM_page_1.pdf			
				Menu [TamStoTVM.1] gF3	Recall minimum	Presented in menu TamRcl to recall minimum of X and register or variable (Shortcut : [RCL] - [↓] ; TAM : RCL↓ ... TamRcl menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_TamStoTVM_page_1.pdf			
	...Min (STO↓)	Command (TAM)		Menu [TamSto.1] fF5	Store minimum	Presented in menu TamSto to store minimum of X and register or variable (Shortcut : [STO] - [↓] ; TAM : STO↓ ... TamSto menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_TamSto_page_1.pdf			
	...VEL _{nn} (RCLVEL)	Command (TAM)		Menu [TamRcl.1] fF3	Recall vector element	Presented in menu TamRcl to recall element n (TAM) of vector or matrix in X (Shortcut : [RCL] - ...VEL _{nn} ; TAM : RCLVEL ... Tam menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_TamRcl_page_1.pdf			
	...VEL _{nn} (STOVEL)	Command (TAM)		Menu [TamSto.1] fF3	Store X into vector element	Presented in menu TamSto to store X into element n (TAM) of vector or matrix in Y (Shortcut : [STO] - ...VEL _{nn} ; TAM : STOVEL ... Tam menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_TamSto_page_1.pdf			
	...VEL ₁ (RCLVEL ₁)	Command (TAM)		Menu [TamRcl.1] gF3	Recall vector element 1	Presented in menu TamRcl to recall element 1 of vector or matrix in X Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_TamRcl_page_1.pdf			
	...VEL ₁ (STOVEL ₁)	Command (TAM)		Menu [TamSto.1] gF3	Store X into vector element 1	Presented in menu TamSto to store X into element 1 of vector or matrix in Y Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_TamSto_page_1.pdf			
	...VEL ₂ (RCLVEL ₂)	Command (TAM)		Menu [TamRcl.1] gF4	Recall vector element 2	Presented in menu TamRcl to recall element 2 of vector or matrix in X Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_TamRcl_page_1.pdf			
	...VEL ₂ (STOVEL ₂)	Command (TAM)		Menu [TamSto.1] gF4	Store X into vector element 2	Presented in menu TamSto to store X into element 2 of vector or matrix in Y Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_TamSto_page_1.pdf			
	...VEL ₃ (RCLVEL ₃)	Command (TAM)		Menu [TamRcl.1] gF5	Recall vector element 3	Presented in menu TamRcl to recall element 3 of vector or matrix in X Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_TamRcl_page_1.pdf			
	...VEL ₃ (STOVEL ₃)	Command (TAM)		Menu [TamSto.1] gF5	Store X into vector element 3	Presented in menu TamSto to store X into element 3 of vector or matrix in Y Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_TamSto_page_1.pdf			
	→	Command (TAM)		Menu [Tam.1] F1	Indirection	Presented in TAM menus for commands accessing indirect input (Info : Opens TamIndirect menu for the command that activated the current TAM menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Tam_page_1.pdf			
				Menu [TamCmp.1] F1	Indirection	Presented in TAM menus for commands accessing indirect input (Info : Opens TamIndirect menu for the command that activated the current TAM menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_TamCmp_page_1.pdf			
				Menu [TamFlag.1] F1	Indirection	Presented in TAM menus for commands accessing indirect input (Info : Opens TamIndirect menu for the command that activated the current TAM menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_TamFlag_page_1.pdf			
				Menu [TamLabel.1] F1	Indirection	Presented in TAM menus for commands accessing indirect input (Info : Opens TamIndirect menu for the command that activated the current TAM menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_TamLabel_page_1.pdf			
				Menu [TamNonReg.1] F1	Indirection	Presented in TAM menus for commands accessing indirect input (Info : Opens TamIndirect menu for the command that activated the current TAM menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_TamNonReg_page_1.pdf			
				Menu [TamNonRegMax.1] F1	Indirection	Presented in TAM menus for commands accessing indirect input (Info : Opens TamIndirect menu for the command that activated the current TAM menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_TamNonRegMax_page_1.pdf			
				Menu [TamMenu.1] F1	Indirection	Presented in TAM menus for commands accessing indirect input (Info : Opens TamIndirect menu for the command that activated the current TAM menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_TamMenu_page_1.pdf			
				Menu [TamNonRegTrk.1] F1	Indirection	Presented in TAM menus for commands accessing indirect input (Info : Opens TamIndirect menu for the command that activated the current TAM menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_TamNonRegTrk_page_1.pdf			
				Menu [TamRcl.1] F1	Indirection	Presented in TAM menus for commands accessing indirect input (Info : Opens TamIndirect menu for the command that activated the current TAM menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_TamRcl_page_1.pdf			
				Menu [TamSto.1] F1	Indirection	Presented in TAM menus for commands accessing indirect input (Info : Opens TamIndirect menu for the command that activated the current TAM menu) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_TamSto_page_1.pdf			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
				Menu [TamLblOnly.1] F1	Indirection	Presented in TAM menus for commands accessing indirect input (Info : Opens TamIndirect menu for the command that activated the current TAM menu) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TamLblOnly_page_1.pdf			
				Menu [TamVarOnly.1] F1	Indirection	Presented in TAM menus for commands accessing indirect input (Info : Opens TamIndirect menu for the command that activated the current TAM menu) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TamVarOnly_page_1.pdf			
				Menu [TamRclTVM.1] gF1	Indirection	Presented in TAM menus for commands accessing indirect input (Info : Opens TamIndirect menu for the command that activated the current TAM menu) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TamRclTVM_page_1.pdf			
				Menu [TamStoTVM.1] gF1	Indirection	Presented in TAM menus for commands accessing indirect input (Info : Opens TamIndirect menu for the command that activated the current TAM menu) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TamStoTVM_page_1.pdf			
				Menu [TamNorm.1] F1	Indirection	Presented in TAM menus for commands accessing indirect input (Info : Opens TamIndirect menu for the command that activated the current TAM menu) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TamNorm_page_1.pdf			
	→T	Command (TAM)		Menu [TamNonReg.1] F6	Indirect T	Presented in TAM menus for commands accessing indirect input using stack register T Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TamNonReg_page_1.pdf			
				Menu [TamNonRegMax.1] F6	Indirect T	Presented in TAM menus for commands accessing indirect input using stack register T Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TamNonRegMax_page_1.pdf			
				Menu [TamMenu.1] F6	Indirect T	Presented in TAM menus for commands accessing indirect input using stack register T Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TamMenu_page_1.pdf			
				Menu [TamNonRegTrk.1] F6	Indirect T	Presented in TAM menus for commands accessing indirect input using stack register T Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TamNonRegTrk_page_1.pdf			
				Menu [TamNorm.1] F6	Indirect T	Presented in TAM menus for commands accessing indirect input using stack register T Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TamNorm_page_1.pdf			
	→X	Command (TAM)		Menu [TamNonReg.1] F3	Indirect X	Presented in TAM menus for commands accessing indirect input using stack register X Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TamNonReg_page_1.pdf			
				Menu [TamNonRegMax.1] F3	Indirect X	Presented in TAM menus for commands accessing indirect input using stack register X Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TamNonRegMax_page_1.pdf			
				Menu [TamMenu.1] F3	Indirect X	Presented in TAM menus for commands accessing indirect input using stack register X Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TamMenu_page_1.pdf			
				Menu [TamNonRegTrk.1] F3	Indirect X	Presented in TAM menus for commands accessing indirect input using stack register X Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TamNonRegTrk_page_1.pdf			
				Menu [TamNorm.1] F3	Indirect X	Presented in TAM menus for commands accessing indirect input using stack register X Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TamNorm_page_1.pdf			
	→Y	Command (TAM)		Menu [TamNonReg.1] F4	Indirect Y	Presented in TAM menus for commands accessing indirect input using stack register Y Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TamNonReg_page_1.pdf			
				Menu [TamNonRegMax.1] F4	Indirect Y	Presented in TAM menus for commands accessing indirect input using stack register Y Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TamNonRegMax_page_1.pdf			
				Menu [TamMenu.1] F4	Indirect Y	Presented in TAM menus for commands accessing indirect input using stack register Y Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TamMenu_page_1.pdf			
				Menu [TamNonRegTrk.1] F4	Indirect Y	Presented in TAM menus for commands accessing indirect input using stack register Y Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TamNonRegTrk_page_1.pdf			
				Menu [TamNorm.1] F4	Indirect Y	Presented in TAM menus for commands accessing indirect input using stack register Y Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TamNorm_page_1.pdf			
	→Z	Command (TAM)		Menu [TamNonReg.1] F5	Indirect Z	Presented in TAM menus for commands accessing indirect input using stack register Z Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TamNonReg_page_1.pdf			
				Menu [TamNonRegMax.1] F5	Indirect Z	Presented in TAM menus for commands accessing indirect input using stack register Z Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TamNonRegMax_page_1.pdf			
				Menu [TamMenu.1] F5	Indirect Z	Presented in TAM menus for commands accessing indirect input using stack register Z Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TamMenu_page_1.pdf			
				Menu [TamNonRegTrk.1] F5	Indirect Z	Presented in TAM menus for commands accessing indirect input using stack register Z Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TamNonRegTrk_page_1.pdf			
				Menu [TamNorm.1] F5	Indirect Z	Presented in TAM menus for commands accessing indirect input using stack register Z Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TamNorm_page_1.pdf			
	0.	Command (TAM)		Menu [TamCmp.1] fF1	Real zero	Presented in menu TamCmp for comparisons (e.g. x< ?) to quickly enter 0. Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TamCmp_page_1.pdf			
	1.	Command (TAM)		Menu [TamCmp.1] fF2	Real one	Presented in menu TamCmp for comparisons (e.g. x< ?) to quickly enter 1. Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TamCmp_page_1.pdf			
	Config (RCLCFG)	Command (TAM)		Menu [TamRcl.1] fF1	Recall config	Presented in menu TamRcl to recall config from register or variable (Shortcut : [RCL] - Config ; TAM : RCLCFG __ TamRcl menu ; Info : displays "Configuration data" in the stack) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TamRcl_page_1.pdf			
	Config (STOCFG)	Command (TAM)		Menu [TamSto.1] fF1	Store config	Presented in menu TamSto to store config in register or variable (Shortcut : [STO] - Config ; TAM : STOCFG __ TamSto menu ; Info : displays "Configuration data" in the stack) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TamSto_page_1.pdf			
	DMXmax	Command	64	Menu [TamNonRegMax.1] F2	Set DMX to maximum	Set DMX to maximum value (32500, stored as 0) (Info : SBI /max is shown if flag SBfrac is SET) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TamNonRegMax_page_1.pdf			
	Stack (RCLS)	Command (TAM)		Menu [TamRcl.1] fF2	Recall stack	Presented in menu TamRcl to recall complete stack from 4 or 8 registers (Shortcut : [RCL] - Stack ; TAM : RCLS __ TamRcl menu) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TamRcl_page_1.pdf			
	Stack (STOS)	Command (TAM)		Menu [TamSto.1] fF2	Store stack	Presented in menu TamSto to store entire stack in 4 or 8 registers (Shortcut : [STO] - Stack ; TAM : STOS __ TamSto menu) Ref : https://n7calc.com/doc/RN7/Menus/RN7v0_Menu_TamSto_page_1.pdf			
Trigonometry	>ACOS<	Function (monadic, legacy)			Arc cosine	Legacy version of function ARCCOS : Inverse cosine (Info : Function >ACOS< is superceded by ARCCOS on g[8])			
	>ASIN<	Function (monadic, legacy)			Arc sine	Legacy version of function ARCSIN : Inverse sine (Info : Function >ASIN< is superceded by ARCSIN on g[7])			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	>ATAN<	Function (monadic, legacy)			Arc tangent	Legacy version of function ARCTAN : Inverse tangent (Info : Function >ATAN< is superceded by ARCTAN on g[9])			
	ACOS (ARCCOS)	Function (monadic)		Menu [TR6....1] fF5	Arc cosine	Inverse cosine (Info : Returns the principal value of the inverse cosine of X ; if flag CPXRES is SET, the domain is extended beyond [-1, +1] and complex results may be returned) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_TRG_MORE_page_1.pdf	CPXRES	SET	C ; R
				Menu [NEW (EQ_EDIT).2] fF2	Arc cosine	Inverse cosine (Info : Returns the principal value of the inverse cosine of X ; if flag CPXRES is SET, the domain is extended beyond [-1, +1] and complex results may be returned) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_NEW_page_2.pdf	CPXRES	SET	C ; R
				Menu [EDIT (EQ_EDIT).2] fF2	Arc cosine	Inverse cosine (Info : Returns the principal value of the inverse cosine of X ; if flag CPXRES is SET, the domain is extended beyond [-1, +1] and complex results may be returned) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_EDIT_EQN_page_2.pdf	CPXRES	SET	C ; R
	ACOS (ARCCOS)	Function (monadic)		Keyboard g[8]	Arc cosine	Inverse cosine (Info : Returns the principal value of the inverse cosine of X ; if flag CPXRES is SET, the domain is extended beyond [-1, +1] and complex results may be returned) Ref : https://r7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_5.pdf	CPXRES	SET	C ; R
	ACOS (ARCCOS)	Function (monadic)		Menu [FCNS.1] F2	Arc cosine	Inverse cosine (Info : Returns the principal value of the inverse cosine of X ; if flag CPXRES is SET, the domain is extended beyond [-1, +1] and complex results may be returned) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_FCNS_EQN_page_1.pdf	CPXRES	SET	C ; R
	ASIN (ARCSIN)	Function (monadic)		Menu [FCNS.1] F4	Arc sine	Inverse sine (Info : Returns the principal value of the inverse sine of X ; if flag CPXRES is SET, the domain is extended beyond [-1, +1] and complex results may be returned) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_FCNS_EQN_page_1.pdf	CPXRES	SET	C ; R
	ATAN (ARCTAN)	Function (monadic)		Menu [FCNS.1] F5	Arc tangent	Inverse tangent (Info : Returns the principal value of the inverse tangent of X ; if flag SPCRES is SET, infinity input is allowed and the range is extended to [-90°, 90°] (inclusive)) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_FCNS_EQN_page_1.pdf	SPCRES	SET	<no annunciator>
	ASIN (ARCSIN)	Function (monadic)		Menu [TR6....1] fF4	Arc sine	Inverse sine (Info : Returns the principal value of the inverse sine of X ; if flag CPXRES is SET, the domain is extended beyond [-1, +1] and complex results may be returned) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_TRG_MORE_page_1.pdf	CPXRES	SET	C ; R
				Menu [NEW (EQ_EDIT).2] fF1	Arc sine	Inverse sine (Info : Returns the principal value of the inverse sine of X ; if flag CPXRES is SET, the domain is extended beyond [-1, +1] and complex results may be returned) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_NEW_page_2.pdf	CPXRES	SET	C ; R
				Menu [EDIT (EQ_EDIT).2] fF1	Arc sine	Inverse sine (Info : Returns the principal value of the inverse sine of X ; if flag CPXRES is SET, the domain is extended beyond [-1, +1] and complex results may be returned) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_EDIT_EQN_page_2.pdf	CPXRES	SET	C ; R
	ASIN (ARCSIN)	Function (monadic)		Keyboard g[7]	Arc sine	Inverse sine (Info : Returns the principal value of the inverse sine of X ; if flag CPXRES is SET, the domain is extended beyond [-1, +1] and complex results may be returned) Ref : https://r7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_5.pdf	CPXRES	SET	C ; R
	ATAN (ARCTAN)	Function (monadic)		Menu [TR6....1] fF6	Arc tangent	Inverse tangent (Info : Returns the principal value of the inverse tangent of X ; if flag SPCRES is SET, infinity input is allowed and the range is extended to [-90°, 90°] (inclusive)) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_TRG_MORE_page_1.pdf	SPCRES	SET	<no annunciator>
				Menu [NEW (EQ_EDIT).2] fF3	Arc tangent	Inverse tangent (Info : Returns the principal value of the inverse tangent of X ; if flag SPCRES is SET, infinity input is allowed and the range is extended to [-90°, 90°] (inclusive)) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_NEW_page_2.pdf	SPCRES	SET	<no annunciator>
				Menu [EDIT (EQ_EDIT).2] fF3	Arc tangent	Inverse tangent (Info : Returns the principal value of the inverse tangent of X ; if flag SPCRES is SET, infinity input is allowed and the range is extended to [-90°, 90°] (inclusive)) Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_EDIT_EQN_page_2.pdf	SPCRES	SET	<no annunciator>
	ATAN (ARCTAN)	Function (monadic)		Keyboard g[9]	Arc tangent	Inverse tangent (Info : Returns the principal value of the inverse tangent of X ; if flag SPCRES is SET, infinity input is allowed and the range is extended to [-90°, 90°] (inclusive)) Ref : https://r7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_5.pdf	SPCRES	SET	<no annunciator>
	ATAN2	Function (dyadic)		Menu [TR6.1] gF6	Expanded inverse tangent	Arc tangent of Y / X Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_TRG_page_1.pdf			
				Menu [TR6....1] fF3	Expanded inverse tangent	Arc tangent of Y / X Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_TRG_MORE_page_1.pdf			
				Menu [TR6_R47.1] F6	Expanded inverse tangent	Arc tangent of Y / X Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_TRG_R47_page_1.pdf			
				Menu [FCNS.1] fF2	Expanded inverse tangent	Arc tangent of Y / X Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_FCNS_EQN_page_1.pdf			
	C _{yx} (COMB)	Function (dyadic)		Menu [PROB.1] F3	Combinations	Combinations of X out of Y Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_PROB_page_1.pdf			
				Menu [FCNS.1] fF6	Combinations	Combinations of X out of Y Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_FCNS_EQN_page_1.pdf			
	COS	Function (monadic)		Menu [TR6....1] F5	Cosine	Cosine Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_TRG_MORE_page_1.pdf			
				Menu [NEW (EQ_EDIT).2] F2	Cosine	Cosine Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_NEW_page_2.pdf			
				Menu [FCNS.1] gF2	Cosine	Cosine Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_FCNS_EQN_page_1.pdf			
				Menu [EDIT (EQ_EDIT).2] F2	Cosine	Cosine Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_EDIT_EQN_page_2.pdf			
	COS	Function (monadic)		Keyboard f[8]	Cosine	Cosine Ref : https://r7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_5.pdf			
	SIN	Function (monadic)		Menu [TR6....1] F4	Sine	Sine Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_TRG_MORE_page_1.pdf			
				Menu [NEW (EQ_EDIT).2] F1	Sine	Sine Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_NEW_page_2.pdf			
				Menu [FCNS.3] F5	Sine	Sine Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_FCNS_EQN_page_3.pdf			
				Menu [EDIT (EQ_EDIT).2] F1	Sine	Sine Ref : https://r7calc.com/doc/R47/Menu/R47v0_Menu_EDIT_EQN_page_2.pdf			

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	SIN	Function (monadic)		Keyboard f [7]	Sine	Sine Ref : https://r7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_5.pdf			
	TAN	Function (monadic)		Menu [TRG...1] F8	Tangent	Tangent Ref : https://r7calc.com/doc/R47/Menus/R47v0_Menu_TRG_MORE_page_1.pdf			
				Menu [NEW (EQ_EDIT).2] F3	Tangent	Tangent Ref : https://r7calc.com/doc/R47/Menus/R47v0_Menu_NEW_page_2.pdf			
				Menu [FCNS.3] fF3	Tangent	Tangent Ref : https://r7calc.com/doc/R47/Menus/R47v0_Menu_FCNS_EQN_page_3.pdf			
				Menu [EDIT (EQ_EDIT).2] F3	Tangent	Tangent Ref : https://r7calc.com/doc/R47/Menus/R47v0_Menu_EDIT_EQN_page_2.pdf			
	TAN	Function (monadic)		Keyboard f [9]	Tangent	Tangent Ref : https://r7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_5.pdf			
User interface	EDIT	Command		Menu [P.FN.1] gF1	Edit item	Edit item in X (any data type, except Config) in Normal Mode ; edit text strings, numbers or function parameters in the current step in Program Entry Mode ; 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) (Shortcut : longerpress [*] ; alpha longer [*] ; PEM long [*] ; EIM longer [*] ; Info : editing of long integers is limited to two input lines (about 99 digits depening on display settings) ; also note that for new models and simulator, the full set of features is supported (Complex numbers not yet implemented), but for DM2 hardware, numbers cannot be edited) Ref : https://r7calc.com/doc/R47/Menus/R47v0_Menu_P-FN_page_1.pdf			
				Menu [P.FN3.1] gF1	Edit item	Edit item in X (any data type, except Config) in Normal Mode ; edit text strings, numbers or function parameters in the current step in Program Entry Mode ; 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) (Shortcut : longerpress [*] ; alpha longer [*] ; PEM long [*] ; EIM longer [*] ; Info : editing of long integers is limited to two input lines (about 99 digits depening on display settings) ; also note that for new models and simulator, the full set of features is supported (Complex numbers not yet implemented), but for DM2 hardware, numbers cannot be edited) Ref : https://r7calc.com/doc/R47/Menus/R47v0_Menu_P-FN3_page_1.pdf			
	EDIT	Command		Keyboard longerpress [*]	Edit item	Edit item in X (any data type, except Config) in Normal Mode ; edit text strings, numbers or function parameters in the current step in Program Entry Mode ; 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) (Shortcut : longerpress [*] ; alpha longer [*] ; PEM long [*] ; EIM longer [*] ; Info : editing of long integers is limited to two input lines (about 99 digits depening on display settings) ; also note that for new models and simulator, the full set of features is supported (Complex numbers not yet implemented), but for DM2 hardware, numbers cannot be edited) Ref : https://r7calc.com/doc/R47/Keyboard/Rows/R47v0_Keyboard_row_4.pdf			
	NO	Command		Menu [YESN0.1] F5	No	Respond : No Ref : https://r7calc.com/doc/R47/Menus/R47v0_Menu_YESN0_page_1.pdf			
	SRESET	Command		Menu [MODE.3] F1	Safe reset f/g timers	Safe reset, then toggle ON/OFF the timing related user interface options: fg.FUL $\mathbb{M}$, g.2Tp $\mathbb{M}$, SH.As $\mathbb{D}$, HOME# $\mathbb{M}$ Ref : https://r7calc.com/doc/R47/Menus/R47v0_Menu_MODE_page_3.pdf			
				Menu [PREF.3] F1	Safe reset f/g timers	Safe reset, then toggle ON/OFF the timing related user interface options: fg.FUL $\mathbb{M}$, g.2Tp $\mathbb{M}$, SH.As $\mathbb{D}$, HOME# $\mathbb{M}$ Ref : https://r7calc.com/doc/R47/Menus/R47v0_Menu_PREF_page_3.pdf			
	YES	Command		Menu [YESN0.1] F2	Yes	Respond : Yes Ref : https://r7calc.com/doc/R47/Menus/R47v0_Menu_YESN0_page_1.pdf			
Vector operations	→CYL	Function (monadic)		Menu [VECTOR.1] F3	Tag as Cylindrical	Tag a 3D vector as having cylindrical coordinates (Shortcut : →P cycles through →SPH, then →CYL ; Info : display depends on flag 3Dxyz, for cylindrical vector : $[r\theta, j, k] \begin{bmatrix} v_1 & v_2 & v_3 \end{bmatrix}^T$) Ref : https://r7calc.com/doc/R47/Menus/R47v0_Menu_VECTOR_page_1.pdf	3Dxyz	CLEAR	<no annunciator>
	→SPH	Function (monadic)		Menu [VECTOR.1] F2	Tag as Spherical	Tag a 3D vector as having spherical coordinates, according to Physics or Math conventions (for spherical polar vectors) as set by flag 3DPHYS (default CLEAR) and indicated by the TI subscript of the spherical polar vector : $\mathbb{P}$ for Physics, $\mathbb{M}$ for Math (determines ordering of vector elements, works on whole stack) (Shortcut : →P cycles through →SPH, then →CYL ; Info : display depends on flag 3DPHYS, for spherical vector : $[p\theta, j, k]_{\mathbb{M}} \begin{bmatrix} v_1 & v_2 & v_3 \end{bmatrix}^T$) Ref : https://r7calc.com/doc/R47/Menus/R47v0_Menu_VECTOR_page_1.pdf	3DPHYS	CLEAR	<no annunciator>
	$\ \vec{x}-\vec{y}\ _2$	Function (dyadic)		Menu [VECTOR.1] fF3	Perpendicular distance	Perpendicular distance between Real matrices or vectors ; Complex matrices or vectors Ref : https://r7calc.com/doc/R47/Menus/R47v0_Menu_VECTOR_page_1.pdf	3Dxyz	CLEAR	<no annunciator>
				Menu [VECTOR.2] fF3	Perpendicular distance	Perpendicular distance between Real matrices or vectors ; Complex matrices or vectors Ref : https://r7calc.com/doc/R47/Menus/R47v0_Menu_VECTOR_page_2.pdf	3Dxyz	CLEAR	<no annunciator>
	$\mathbb{C} \leftrightarrow \vec{v}_2$	Function (monadic)		Menu [$\vec{v} \leftrightarrow \vec{v}.1$] gF1	Complex to 1x2 vector	Convert Complex number to 1x2 vector (Info : Display depends on flag 3Dxyz, for rectangular vector : $[i, j] \begin{bmatrix} v_1 & v_2 \end{bmatrix}$) Ref : https://r7calc.com/doc/R47/Menus/R47v0_Menu_VectorConv_page_1.pdf	3Dxyz	CLEAR	<no annunciator>
	$\mathbb{C} \leftrightarrow \vec{v}_2$	Function (monadic)		Menu [VECTOR.2] F3	Complex to or from 1x2 vector	Convert Complex number to or from 1x2 vector (Info : Display depends on flag 3Dxyz, for rectangular vector : $[i, j] \begin{bmatrix} v_1 & v_2 \end{bmatrix}$) Ref : https://r7calc.com/doc/R47/Menus/R47v0_Menu_VECTOR_page_2.pdf	3Dxyz	CLEAR	<no annunciator>
	$\vec{t}zyx \leftrightarrow \vec{v}_4$	Function (tetradic)		Menu [$\vec{v} \leftrightarrow \vec{v}.1$] F5	Compose 1x4 vector	Compose 1x4 vector from T, Z, Y, X Ref : https://r7calc.com/doc/R47/Menus/R47v0_Menu_VectorConv_page_1.pdf			
	$\vec{t}zyx \leftrightarrow \vec{v}_4$	Function (tetradic, nonpgm)		Menu [$\vec{v} \leftrightarrow \vec{v}.1$] fF5	Compose/decompose 1x4 vector	Compose/decompose 1x4 vector from/to T, Z, Y, X Ref : https://r7calc.com/doc/R47/Menus/R47v0_Menu_VectorConv_page_1.pdf			
	$yx \rightarrow \vec{v}_2$	Function (dyadic)		Menu [$\vec{v} \leftrightarrow \vec{v}.1$] F1	Compose 1x2 vector	Compose 1x2 vector from Y, X ; tagged angles in the input will be recognized and the appropriate coordinate tag will be applied to the vector (Info : Display depends on flag 3Dxyz, for rectangular vector : $[i, j] \begin{bmatrix} v_1 & v_2 \end{bmatrix}$; polar vector : $[r\theta, j] \begin{bmatrix} v_1 & v_2 \end{bmatrix}^T$) Ref : https://r7calc.com/doc/R47/Menus/R47v0_Menu_VectorConv_page_1.pdf	3Dxyz	CLEAR	<no annunciator>

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	$yx \leftrightarrow \vec{v}_2$	Function (dyadic, nonpgm)		Menu [VECTOR.2] F4	Compose/decompose 1x2 vector	Compose/decompose 1x2 vector from/to Y, X; tagged angles in the input will be recognized and the appropriate coordinate tag will be applied to the vector (Info : Display depends on flag 3Dxyz, for rectangular vector : $[i]j$ $[v_1 v_2]$; rectangular elements : $[i] =$; $[j] =$; polar vector : $[r\theta_i]$ $[v_1 v_2]^p$; polar elements : $[r] =$; $[\theta_i] =$) Ref : https://W7calc.com/doc/R47/Menu/R47v0_Menu_VECTOR_page_2.pdf	3Dxyz	CLEAR	<no annunciator>
				Menu $[\vec{v}_4 \leftrightarrow \vec{v}_1] fF1$	Compose/decompose 1x2 vector	Compose/decompose 1x2 vector from/to Y, X; tagged angles in the input will be recognized and the appropriate coordinate tag will be applied to the vector (Info : Display depends on flag 3Dxyz, for rectangular vector : $[i]j$ $[v_1 v_2]$; rectangular elements : $[i] =$; $[j] =$; polar vector : $[r\theta_i]$ $[v_1 v_2]^p$; polar elements : $[r] =$; $[\theta_i] =$) Ref : https://W7calc.com/doc/R47/Menu/R47v0_Menu_VectorConv_page_1.pdf	3Dxyz	CLEAR	<no annunciator>
	$zyx \leftrightarrow \vec{v}_3$	Function (triadic)		Menu $[\vec{v}_4 \leftrightarrow \vec{v}_1] F3$	Compose 1x3 vector	Compose 1x3 vector from Z, Y, X, according to Physics or Math conventions (for spherical polar vectors) as set by flag 3DPHYS (default CLEAR) ; tagged angles in the input will be recognized and the appropriate coordinate tag will be applied to the vector (Info : Display depends on flag 3Dxyz, for rectangular vector : $[ijk]$ $[v_1 v_2 v_3]$; spherical vector : $[p\theta_i\phi_k]_M$ $[v_1 v_2 v_3]^s$; cylindrical vector : $[r\theta_i;k]$ $[v_1 v_2 v_3]^c$; in Program Entry Mode, flag 3DPHYS determines whether $zyx \leftrightarrow \vec{v}_{3M}$ or $zyx \leftrightarrow \vec{v}_{3P}$ is stored ; notation convention is indicated by the TI subscript of the spherical polar vector : p for Physics, M for Math (determines ordering of vector elements, works on whole stack)) Ref : https://W7calc.com/doc/R47/Menu/R47v0_Menu_VectorConv_page_1.pdf	3Dxyz	CLEAR	<no annunciator>
	$zyx \leftrightarrow \vec{v}_{3M}$	Function (triadic)		Catalog CAT.FCNS $zyx \leftrightarrow \vec{v}_{3M}$	Compose 1x3 vector (M)	Compose 1x3 vector from Z, Y, X, according to Math conventions (for spherical polar vectors) ; tagged angles in the input will be recognized and the appropriate coordinate tag will be applied to the vector (Info : Display depends on flag 3Dxyz, for rectangular vector : $[ijk]$ $[v_1 v_2 v_3]$; spherical vector : $[p\theta_i\phi_k]_M$ $[v_1 v_2 v_3]^s$; cylindrical vector : $[r\theta_i;k]$ $[v_1 v_2 v_3]^c$; in Program Entry Mode, $zyx \leftrightarrow \vec{v}_{3M}$ is stored when $zyx \leftrightarrow \vec{v}_3$ is entered and flag 3DPHYS is CLEAR)	3Dxyz	CLEAR	<no annunciator>
	$zyx \leftrightarrow \vec{v}_{3P}$	Function (triadic)		Catalog CAT.FCNS $zyx \leftrightarrow \vec{v}_{3P}$	Compose 1x3 vector (P)	Compose 1x3 vector from Z, Y, X, according to Physics conventions (for spherical polar vectors) ; tagged angles in the input will be recognized and the appropriate coordinate tag will be applied to the vector (Info : Display depends on flag 3Dxyz, for rectangular vector : $[ijk]$ $[v_1 v_2 v_3]$; spherical vector : $[p\phi_k\theta_i]_P$ $[v_1 v_2 v_3]^s$; cylindrical vector : $[r\theta_i;k]$ $[v_1 v_2 v_3]^c$; in Program Entry Mode, $zyx \leftrightarrow \vec{v}_{3P}$ is stored when $zyx \leftrightarrow \vec{v}_3$ is entered and flag 3DPHYS is SET)	3Dxyz	CLEAR	<no annunciator>
	$zyx \leftrightarrow \vec{v}_3$	Function (triadic, nonpgm)		Menu [VECTOR.1] F4	Compose/decompose 1x3 vector	Compose/decompose 1x3 vector from/to Z, Y, X, according to Physics or Math conventions (for spherical polar vectors) as set by flag 3DPHYS (default CLEAR) ; tagged angles in the input will be recognized and the appropriate coordinate tag will be applied to the vector (Info : Display depends on flag 3Dxyz, for rectangular vector : $[ijk]$ $[v_1 v_2 v_3]$; rectangular elements : $[i] =$; $[j] =$; $[k] =$; spherical vector : $[p\theta_i\phi_k]_M$ $[v_1 v_2 v_3]^s$; spherical elements : $[p] =$; $[\theta_i] =$; $[\phi_k] =$; cylindrical vector : $[r\theta_i;k]$ $[v_1 v_2 v_3]^c$; cylindrical elements : $[r] =$; $[\theta_i] =$; $[k] =$) Ref : https://W7calc.com/doc/R47/Menu/R47v0_Menu_VECTOR_page_1.pdf	3Dxyz	CLEAR	<no annunciator>
				Menu $[\vec{v}_4 \leftrightarrow \vec{v}_1] fF3$	Compose/decompose 1x3 vector	Compose/decompose 1x3 vector from/to Z, Y, X, according to Physics or Math conventions (for spherical polar vectors) as set by flag 3DPHYS (default CLEAR) ; tagged angles in the input will be recognized and the appropriate coordinate tag will be applied to the vector (Info : Display depends on flag 3Dxyz, for rectangular vector : $[ijk]$ $[v_1 v_2 v_3]$; rectangular elements : $[i] =$; $[j] =$; $[k] =$; spherical vector : $[p\theta_i\phi_k]_M$ $[v_1 v_2 v_3]^s$; spherical elements : $[p] =$; $[\theta_i] =$; $[\phi_k] =$; cylindrical vector : $[r\theta_i;k]$ $[v_1 v_2 v_3]^c$; cylindrical elements : $[r] =$; $[\theta_i] =$; $[k] =$) Ref : https://W7calc.com/doc/R47/Menu/R47v0_Menu_VectorConv_page_1.pdf	3Dxyz	CLEAR	<no annunciator>
	$\vec{v}_2 \rightarrow yx$	Function (monadic)		Menu $[\vec{v}_4 \leftrightarrow \vec{v}_1] F2$	Decompose 1x2 vector	Decompose 1x2 vector to Y, X (Info : Display depends on flag 3Dxyz, for rectangular elements : $[i] =$; $[j] =$; polar elements : $[r] =$; $[\theta_i] =$) Ref : https://W7calc.com/doc/R47/Menu/R47v0_Menu_VectorConv_page_1.pdf	3Dxyz	CLEAR	<no annunciator>
	$\vec{v}_2[01]$	Command		Menu [VECTOR.2] gF6	Unit vector $[0 1]$	Create a new 2D unit vector with elements $[0 1]$ (Info : Display depends on flag 3Dxyz, for rectangular vector : $[i]j$ $[v_1 v_2]$) Ref : https://W7calc.com/doc/R47/Menu/R47v0_Menu_VECTOR_page_2.pdf	3Dxyz	CLEAR	<no annunciator>
	$\vec{v}_2[10]$	Command		Menu [VECTOR.2] gF5	Unit vector $[1 0]$	Create a new 2D unit vector with elements $[1 0]$ (Info : Display depends on flag 3Dxyz, for rectangular vector : $[i]j$ $[v_1 v_2]$) Ref : https://W7calc.com/doc/R47/Menu/R47v0_Menu_VECTOR_page_2.pdf	3Dxyz	CLEAR	<no annunciator>
	$\vec{v}_2 \rightarrow C$	Function (monadic)		Menu $[\vec{v}_4 \leftrightarrow \vec{v}_1] gF2$	1x2 vector to Complex number	Convert 1x2 vector to Complex number (2.0-2.5) Ref : https://W7calc.com/doc/R47/Menu/R47v0_Menu_VectorConv_page_1.pdf	3Dxyz	CLEAR	<no annunciator>
	$\vec{v}_3 \rightarrow zyx$	Function (monadic)		Menu $[\vec{v}_4 \leftrightarrow \vec{v}_1] F4$	Decompose 1x3 vector	Decompose 1x3 vector to Z, Y, X, according to Physics or Math conventions (for spherical polar vectors) as set by flag 3DPHYS (default CLEAR) (Info : Display depends on flag 3Dxyz, for rectangular elements : $[i] =$; $[j] =$; $[k] =$; spherical elements : $[p] =$; $[\theta_i] =$; $[\phi_k] =$; cylindrical elements : $[r] =$; $[\theta_i] =$; $[k] =$; in Program Entry Mode, flag 3DPHYS determines whether $\vec{v}_3 \rightarrow zyx_M$ or $\vec{v}_3 \rightarrow zyx_P$ is stored) Ref : https://W7calc.com/doc/R47/Menu/R47v0_Menu_VectorConv_page_1.pdf	3Dxyz	CLEAR	<no annunciator>
	$\vec{v}_3 \rightarrow zyx_M$	Function (monadic)		Catalog CAT.FCNS $\vec{v}_3 \rightarrow zyx_M$	Decompose 1x3 vector (M)	Decompose 1x3 vector to Z, Y, X, according to Math conventions (for spherical polar vectors) (Info : Display depends on flag 3Dxyz, for rectangular elements : $[i] =$; $[j] =$; $[k] =$; spherical elements : $[p] =$; $[\theta_i] =$; $[\phi_k] =$; cylindrical elements : $[r] =$; $[\theta_i] =$; $[k] =$; in Program Entry Mode, $\vec{v}_3 \rightarrow zyx_M$ is stored when $\vec{v}_3 \rightarrow zyx$ is entered and flag 3DPHYS is CLEAR)	3Dxyz	CLEAR	<no annunciator>
	$\vec{v}_3 \rightarrow zyx_P$	Function (monadic)		Catalog CAT.FCNS $\vec{v}_3 \rightarrow zyx_P$	Decompose 1x3 vector (P)	Decompose 1x3 vector to Z, Y, X, according to Physics conventions (for spherical polar vectors) (Info : Display depends on flag 3Dxyz, for rectangular elements : $[i] =$; $[j] =$; $[k] =$; spherical elements : $[p] =$; $[\phi_k] =$; $[\theta_i] =$; cylindrical elements : $[r] =$; $[\theta_i] =$; $[k] =$; in Program Entry Mode, $\vec{v}_3 \rightarrow zyx_P$ is stored when $\vec{v}_3 \rightarrow zyx$ is entered and flag 3DPHYS is SET)	3Dxyz	CLEAR	<no annunciator>

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	$\vec{v}_3[001]$	Command		Menu [VECTOR.1] gF6	Unit vector [0 0 1]	Create a new 3D unit vector with elements [0 0 1] (Info : Display depends on flag 3Dxyz, for rectangular vector : [ijk] [v ₁ v ₂ v ₃]) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_VECTOR_page_1.pdf	3Dxyz	CLEAR	<no annunciator>
	$\vec{v}_3[010]$	Command		Menu [VECTOR.1] gF5	Unit vector [0 1 0]	Create a new 3D unit vector with elements [0 1 0] (Info : Display depends on flag 3Dxyz, for rectangular vector : [ijk] [v ₁ v ₂ v ₃]) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_VECTOR_page_1.pdf	3Dxyz	CLEAR	<no annunciator>
	$\vec{v}_3[100]$	Command		Menu [VECTOR.1] gF4	Unit vector [1 0 0]	Create a new 3D unit vector with elements [1 0 0] (Info : Display depends on flag 3Dxyz, for rectangular vector : [ijk] [v ₁ v ₂ v ₃]) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_VECTOR_page_1.pdf	3Dxyz	CLEAR	<no annunciator>
	$\vec{v}_4 \rightarrow tzyx$	Function (monadic)		Menu [v4→v.1] F6	Decompose 1x4 vector	Decompose 1x4 vector to T, Z, Y, X Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_VectorConv_page_1.pdf			
Volume conversions	barrel→m ³	Function (monadic, linked)		Menu [Volume.1] gF3	barrel to m ³	Convert barrel to cubic metre (TI : m ³) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Volume_page_1.pdf	CONVHP	SET	<no annunciator>
				Menu [Volume.2] gF3	barrel to m ³	Convert barrel to cubic metre (TI : m ³) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Volume_page_2.pdf	CONVHP	SET	<no annunciator>
	cup _{UK} →f _{loz_{UK}}	Function (monadic, linked)		Menu [Chef.1] fF6	cup _{UK} to f _{loz_{UK}}	Convert UK imperial cup to UK fluid ounce (TI : f _{loz_{UK}}) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Chef_page_1.pdf	CONVHP	SET	<no annunciator>
	cup _{UK} →m _l	Function (monadic, linked)		Menu [Chef.1] F6	cup _{UK} to m _l	Convert UK imperial cup to millilitre (TI : m _l) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Chef_page_1.pdf	CONVHP	SET	<no annunciator>
	cup _{US} →f _{loz_{US}}	Function (monadic, linked)		Menu [Chef.2] fF6	cup _{US} to f _{loz_{US}}	Convert US customary cup to US fluid ounce (TI : f _{loz_{US}}) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Chef_page_2.pdf	CONVHP	SET	<no annunciator>
	cup _{US} →m _l	Function (monadic, linked)		Menu [Chef.2] F6	cup _{US} to m _l	Convert US customary cup to millilitre (TI : m _l) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Chef_page_2.pdf	CONVHP	SET	<no annunciator>
	f _{loz_{UK}} →cup _{UK}	Function (monadic, linked)		Menu [Chef.1] fF5	f _{loz_{UK}} to cup _{UK}	Convert UK fluid ounce to UK imperial cup (TI : cup _{UK}) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Chef_page_1.pdf	CONVHP	SET	<no annunciator>
	f _{loz_{UK}} →gal _{UK}	Function (monadic, linked)		Menu [Volume.1] gF1	f _{loz_{UK}} to gal _{UK}	Convert UK fluid ounce to UK gallon (TI : gal _{UK}) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Volume_page_1.pdf	CONVHP	SET	<no annunciator>
	f _{loz_{UK}} →in ³	Function (monadic, linked)		Menu [Volume.1] F3	f _{loz_{UK}} to in ³	Convert UK fluid ounce to cubic inch (TI : in ³) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Volume_page_1.pdf	CONVHP	SET	<no annunciator>
	f _{loz_{UK}} →m _l	Function (monadic, linked)		Menu [Volume.1] fF1	f _{loz_{UK}} to m _l	Convert UK fluid ounce to millilitre (TI : m _l) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Volume_page_1.pdf	CONVHP	SET	<no annunciator>
				Menu [Chef.1] gF1	f _{loz_{UK}} to m _l	Convert UK fluid ounce to millilitre (TI : m _l) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Chef_page_1.pdf	CONVHP	SET	<no annunciator>
	f _{loz_{UK}} →tbsp _{UK}	Function (monadic, linked)		Menu [Chef.1] fF3	f _{loz_{UK}} to tbsp _{UK}	Convert UK fluid ounce to UK imperial tablespoon (TI : tbsp _{UK}) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Chef_page_1.pdf	CONVHP	SET	<no annunciator>
	f _{loz_{UK}} →tsp _{UK}	Function (monadic, linked)		Menu [Chef.1] fF1	f _{loz_{UK}} to tsp _{UK}	Convert UK fluid ounce to UK imperial teaspoon (TI : tsp _{UK}) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Chef_page_1.pdf	CONVHP	SET	<no annunciator>
	f _{loz_{US}} →cup _{US}	Function (monadic, linked)		Menu [Chef.2] fF5	f _{loz_{US}} to cup _{US}	Convert US fluid ounce to US customary cup (TI : cup _{US}) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Chef_page_2.pdf	CONVHP	SET	<no annunciator>
	f _{loz_{US}} →gal _{US}	Function (monadic, linked)		Menu [Volume.2] gF1	f _{loz_{US}} to gal _{US}	Convert US fluid ounce to US gallon (TI : gal _{US}) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Volume_page_2.pdf	CONVHP	SET	<no annunciator>
	f _{loz_{US}} →in ³	Function (monadic, linked)		Menu [Volume.2] F3	f _{loz_{US}} to in ³	Convert US fluid ounce to cubic inch (TI : in ³) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Volume_page_2.pdf	CONVHP	SET	<no annunciator>
	f _{loz_{US}} →m _l	Function (monadic, linked)		Menu [Volume.2] fF1	f _{loz_{US}} to m _l	Convert US fluid ounce to millilitre (TI : m _l) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Volume_page_2.pdf	CONVHP	SET	<no annunciator>
				Menu [Chef.2] gF1	f _{loz_{US}} to m _l	Convert US fluid ounce to millilitre (TI : m _l) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Chef_page_2.pdf	CONVHP	SET	<no annunciator>
	f _{loz_{US}} →Tbsp _{US}	Function (monadic, linked)		Menu [Chef.2] fF3	f _{loz_{US}} to Tbsp _{US}	Convert US fluid ounce to US customary tablespoon (TI : Tbsp _{US}) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Chef_page_2.pdf	CONVHP	SET	<no annunciator>
	f _{loz_{US}} →tsp _{US}	Function (monadic, linked)		Menu [Chef.2] fF1	f _{loz_{US}} to tsp _{US}	Convert US fluid ounce to US customary teaspoon (TI : tsp _{US}) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Chef_page_2.pdf	CONVHP	SET	<no annunciator>
	ft ³ →gal _{UK}	Function (monadic, linked)		Menu [Volume.1] FF4	ft ³ to gal _{UK}	Convert cubic foot to UK gallon (TI : gal _{UK}) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Volume_page_1.pdf	CONVHP	SET	<no annunciator>
	ft ³ →gal _{US}	Function (monadic, linked)		Menu [Volume.2] FF4	ft ³ to gal _{US}	Convert cubic foot to US gallon (TI : gal _{US}) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Volume_page_2.pdf	CONVHP	SET	<no annunciator>
	ft ³ →ℓ	Function (monadic, linked)		Menu [Volume.1] F5	ft ³ to ℓ	Convert cubic foot to litre (TI : ℓ) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Volume_page_1.pdf	CONVHP	SET	<no annunciator>
				Menu [Volume.2] F5	ft ³ to ℓ	Convert cubic foot to litre (TI : ℓ) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Volume_page_2.pdf	CONVHP	SET	<no annunciator>
	gal _{UK} →f _{loz_{UK}}	Function (monadic, linked)		Menu [Volume.1] gF2	gal _{UK} to f _{loz_{UK}}	Convert UK gallon to UK fluid ounce (TI : f _{loz_{UK}}) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Volume_page_1.pdf	CONVHP	SET	<no annunciator>
	gal _{UK} →ft ³	Function (monadic, linked)		Menu [Volume.1] fF3	gal _{UK} to ft ³	Convert UK gallon to cubic foot (TI : ft ³) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Volume_page_1.pdf	CONVHP	SET	<no annunciator>
	gal _{UK} →ℓ	Function (monadic, linked)		Menu [Volume.1] fF5	gal _{UK} to ℓ	Convert UK gallon to litre (TI : ℓ) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Volume_page_1.pdf	CONVHP	SET	<no annunciator>
	gal _{US} →f _{loz_{US}}	Function (monadic, linked)		Menu [Volume.2] gF2	gal _{US} to f _{loz_{US}}	Convert US gallon to US fluid ounce (TI : f _{loz_{US}}) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Volume_page_2.pdf	CONVHP	SET	<no annunciator>
	gal _{US} →ft ³	Function (monadic, linked)		Menu [Volume.2] fF3	gal _{US} to ft ³	Convert US gallon to cubic foot (TI : ft ³) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Volume_page_2.pdf	CONVHP	SET	<no annunciator>
	gal _{US} →ℓ	Function (monadic, linked)		Menu [Volume.2] fF5	gal _{US} to ℓ	Convert US gallon to litre (TI : ℓ) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Volume_page_2.pdf	CONVHP	SET	<no annunciator>
	in ³ →f _{loz_{UK}}	Function (monadic, linked)		Menu [Volume.1] F4	in ³ to f _{loz_{UK}}	Convert cubic inch to UK fluid ounce (TI : f _{loz_{UK}}) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Volume_page_1.pdf	CONVHP	SET	<no annunciator>
	in ³ →f _{loz_{US}}	Function (monadic, linked)		Menu [Volume.2] F4	in ³ to f _{loz_{US}}	Convert cubic inch to US fluid ounce (TI : f _{loz_{US}}) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Volume_page_2.pdf	CONVHP	SET	<no annunciator>
	in ³ →m _l	Function (monadic, linked)		Menu [Volume.1] F1	in ³ to m _l	Convert cubic inch to millilitre (TI : m _l) Ref : https://n7calc.com/doc/RN7/Menu/RN7v0_Menu_Volume_page_1.pdf	CONVHP	SET	<no annunciator>

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
				Menu [Volume:2] F1	$\text{in}^3 \text{ to mL}$	Convert cubic inch to millilitre (TI : mL) Ref : https://N7calc.com/doc/RN7/Menus/RN7v0_Menu_Volume_page_2.pdf	CONVHP	SET	<no annunciator>
	$\text{in}^3 \rightarrow \text{mm}^3$	Function (monadic, linked)		Menu [SecPrp:1] gF3	$\text{in}^3 \text{ to mm}^3$	Convert cubic inch to cubic millimetre (TI : mm ³) Ref : https://N7calc.com/doc/RN7/Menus/RN7v0_Menu_SecPrp_page_1.pdf	CONVHP	SET	<no annunciator>
	$\ell \rightarrow \text{ft}^3$	Function (monadic, linked)		Menu [Volume:1] F6	$\ell \text{ to ft}^3$	Convert litre to cubic foot (TI : ft ³) Ref : https://N7calc.com/doc/RN7/Menus/RN7v0_Menu_Volume_page_1.pdf	CONVHP	SET	<no annunciator>
				Menu [Volume:2] F6	$\ell \text{ to ft}^3$	Convert litre to cubic foot (TI : ft ³) Ref : https://N7calc.com/doc/RN7/Menus/RN7v0_Menu_Volume_page_2.pdf	CONVHP	SET	<no annunciator>
	$\ell \rightarrow \text{gal}_{\text{UK}}$	Function (monadic, linked)		Menu [Volume:1] fF6	$\ell \text{ to gal}_{\text{UK}}$	Convert litre to UK gallon (TI : gal _{UK}) Ref : https://N7calc.com/doc/RN7/Menus/RN7v0_Menu_Volume_page_1.pdf	CONVHP	SET	<no annunciator>
	$\ell \rightarrow \text{gal}_{\text{US}}$	Function (monadic, linked)		Menu [Volume:2] fF6	$\ell \text{ to gal}_{\text{US}}$	Convert litre to US gallon (TI : gal _{US}) Ref : https://N7calc.com/doc/RN7/Menus/RN7v0_Menu_Volume_page_2.pdf	CONVHP	SET	<no annunciator>
	$\ell \rightarrow \text{qt}_{\text{UK}}$	Function (monadic, linked)		Menu [Volume:1] gF6	$\ell \text{ to qt}_{\text{UK}}$	Convert litre to UK quart (TI : qt _{UK}) Ref : https://N7calc.com/doc/RN7/Menus/RN7v0_Menu_Volume_page_1.pdf	CONVHP	SET	<no annunciator>
	$\ell \rightarrow \text{qt}_{\text{US}}$	Function (monadic, linked)		Menu [Volume:2] gF6	$\ell \text{ to qt}_{\text{US}}$	Convert litre to US quart (TI : qt _{US}) Ref : https://N7calc.com/doc/RN7/Menus/RN7v0_Menu_Volume_page_2.pdf	CONVHP	SET	<no annunciator>
	$\text{m}^3 \rightarrow \text{barrel}$	Function (monadic, linked)		Menu [Volume:1] gF4	$\text{m}^3 \text{ to barrel}$	Convert cubic metre to barrel (TI : barrel) Ref : https://N7calc.com/doc/RN7/Menus/RN7v0_Menu_Volume_page_1.pdf	CONVHP	SET	<no annunciator>
				Menu [Volume:2] gF4	$\text{m}^3 \text{ to barrel}$	Convert cubic metre to barrel (TI : barrel) Ref : https://N7calc.com/doc/RN7/Menus/RN7v0_Menu_Volume_page_2.pdf	CONVHP	SET	<no annunciator>
	$\text{mL} \rightarrow \text{cup}_{\text{UK}}$	Function (monadic, linked)		Menu [Chef:1] F5	$\text{mL} \text{ to cup}_{\text{UK}}$	Convert millilitre to UK imperial cup (TI : cup _{UK}) Ref : https://N7calc.com/doc/RN7/Menus/RN7v0_Menu_Chef_page_1.pdf	CONVHP	SET	<no annunciator>
	$\text{mL} \rightarrow \text{cup}_{\text{US}}$	Function (monadic, linked)		Menu [Chef:2] F5	$\text{mL} \text{ to cup}_{\text{US}}$	Convert millilitre to US customary cup (TI : cup _{US}) Ref : https://N7calc.com/doc/RN7/Menus/RN7v0_Menu_Chef_page_2.pdf	CONVHP	SET	<no annunciator>
	$\text{mL} \rightarrow \text{fLoz}_{\text{UK}}$	Function (monadic, linked)		Menu [Volume:1] fF2	$\text{mL} \text{ to fLoz}_{\text{UK}}$	Convert millilitre to UK fluid ounce (TI : fLoz _{UK}) Ref : https://N7calc.com/doc/RN7/Menus/RN7v0_Menu_Volume_page_1.pdf	CONVHP	SET	<no annunciator>
				Menu [Chef:1] gF2	$\text{mL} \text{ to fLoz}_{\text{UK}}$	Convert millilitre to UK fluid ounce (TI : fLoz _{UK}) Ref : https://N7calc.com/doc/RN7/Menus/RN7v0_Menu_Chef_page_1.pdf	CONVHP	SET	<no annunciator>
	$\text{mL} \rightarrow \text{fLoz}_{\text{US}}$	Function (monadic, linked)		Menu [Volume:2] fF2	$\text{mL} \text{ to fLoz}_{\text{US}}$	Convert millilitre to US fluid ounce (TI : fLoz _{US}) Ref : https://N7calc.com/doc/RN7/Menus/RN7v0_Menu_Volume_page_2.pdf	CONVHP	SET	<no annunciator>
				Menu [Chef:2] gF2	$\text{mL} \text{ to fLoz}_{\text{US}}$	Convert millilitre to US fluid ounce (TI : fLoz _{US}) Ref : https://N7calc.com/doc/RN7/Menus/RN7v0_Menu_Chef_page_2.pdf	CONVHP	SET	<no annunciator>
	$\text{mL} \rightarrow \text{in}^3$	Function (monadic, linked)		Menu [Volume:1] F2	$\text{mL} \text{ to in}^3$	Convert millilitre to cubic inch (TI : in ³) Ref : https://N7calc.com/doc/RN7/Menus/RN7v0_Menu_Volume_page_1.pdf	CONVHP	SET	<no annunciator>
				Menu [Volume:2] F2	$\text{mL} \text{ to in}^3$	Convert millilitre to cubic inch (TI : in ³) Ref : https://N7calc.com/doc/RN7/Menus/RN7v0_Menu_Volume_page_2.pdf	CONVHP	SET	<no annunciator>
	$\text{mL} \rightarrow \text{pint}_{\text{UK}}$	Function (monadic, linked)		Menu [Chef:1] gF4	$\text{mL} \text{ to pint}_{\text{UK}}$	Convert millilitre to UK imperial pint (TI : pint _{UK}) Ref : https://N7calc.com/doc/RN7/Menus/RN7v0_Menu_Chef_page_1.pdf	CONVHP	SET	<no annunciator>
	$\text{mL} \rightarrow \text{pint}_{\text{US}}$	Function (monadic, linked)		Menu [Chef:2] gF4	$\text{mL} \text{ to pint}_{\text{US}}$	Convert millilitre to US liquid pint (TI : pint _{US}) Ref : https://N7calc.com/doc/RN7/Menus/RN7v0_Menu_Chef_page_2.pdf	CONVHP	SET	<no annunciator>
	$\text{mL} \rightarrow \text{qt}_{\text{UK}}$	Function (monadic, linked)		Menu [Chef:1] gF6	$\text{mL} \text{ to qt}_{\text{UK}}$	Convert millilitre to UK quart (TI : qt _{UK}) Ref : https://N7calc.com/doc/RN7/Menus/RN7v0_Menu_Chef_page_1.pdf	CONVHP	SET	<no annunciator>
	$\text{mL} \rightarrow \text{qt}_{\text{US}}$	Function (monadic, linked)		Menu [Chef:2] gF6	$\text{mL} \text{ to qt}_{\text{US}}$	Convert millilitre to US quart (TI : qt _{US}) Ref : https://N7calc.com/doc/RN7/Menus/RN7v0_Menu_Chef_page_2.pdf	CONVHP	SET	<no annunciator>
	$\text{mL} \rightarrow \text{tbsp}_{\text{UK}}$	Function (monadic, linked)		Menu [Chef:1] F3	$\text{mL} \text{ to tbsp}_{\text{UK}}$	Convert millilitre to UK imperial tablespoon (TI : tbsp _{UK}) Ref : https://N7calc.com/doc/RN7/Menus/RN7v0_Menu_Chef_page_1.pdf	CONVHP	SET	<no annunciator>
	$\text{mL} \rightarrow \text{Tbsp}_{\text{US}}$	Function (monadic, linked)		Menu [Chef:2] F3	$\text{mL} \text{ to Tbsp}_{\text{US}}$	Convert millilitre to US customary tablespoon (TI : Tbsp _{US}) Ref : https://N7calc.com/doc/RN7/Menus/RN7v0_Menu_Chef_page_2.pdf	CONVHP	SET	<no annunciator>
	$\text{mL} \rightarrow \text{tsp}_{\text{UK}}$	Function (monadic, linked)		Menu [Chef:1] F1	$\text{mL} \text{ to tsp}_{\text{UK}}$	Convert millilitre to UK imperial teaspoon (TI : tsp _{UK}) Ref : https://N7calc.com/doc/RN7/Menus/RN7v0_Menu_Chef_page_1.pdf	CONVHP	SET	<no annunciator>
	$\text{mL} \rightarrow \text{tsp}_{\text{US}}$	Function (monadic, linked)		Menu [Chef:2] F1	$\text{mL} \text{ to tsp}_{\text{US}}$	Convert millilitre to US customary teaspoon (TI : tsp _{US}) Ref : https://N7calc.com/doc/RN7/Menus/RN7v0_Menu_Chef_page_2.pdf	CONVHP	SET	<no annunciator>
	$\text{mm}^3 \rightarrow \text{in}^3$	Function (monadic, linked)		Menu [SecPrp:1] gF4	$\text{mm}^3 \text{ to in}^3$	Convert cubic millimetre to cubic inch (TI : in ³) Ref : https://N7calc.com/doc/RN7/Menus/RN7v0_Menu_SecPrp_page_1.pdf	CONVHP	SET	<no annunciator>
	$\text{pint}_{\text{UK}} \rightarrow \text{mL}$	Function (monadic, linked)		Menu [Chef:1] gF3	$\text{pint}_{\text{UK}} \text{ to mL}$	Convert UK imperial pint to millilitre (TI : mL) Ref : https://N7calc.com/doc/RN7/Menus/RN7v0_Menu_Chef_page_1.pdf	CONVHP	SET	<no annunciator>
	$\text{pint}_{\text{US}} \rightarrow \text{mL}$	Function (monadic, linked)		Menu [Chef:2] gF3	$\text{pint}_{\text{US}} \text{ to mL}$	Convert US liquid pint to millilitre (TI : mL) Ref : https://N7calc.com/doc/RN7/Menus/RN7v0_Menu_Chef_page_2.pdf	CONVHP	SET	<no annunciator>
	$\text{qt}_{\text{UK}} \rightarrow \ell$	Function (monadic, linked)		Menu [Volume:1] gF5	$\text{qt}_{\text{UK}} \text{ to } \ell$	Convert UK quart to litre (TI : L) Ref : https://N7calc.com/doc/RN7/Menus/RN7v0_Menu_Volume_page_1.pdf	CONVHP	SET	<no annunciator>
	$\text{qt}_{\text{UK}} \rightarrow \text{mL}$	Function (monadic, linked)		Menu [Chef:1] gF5	$\text{qt}_{\text{UK}} \text{ to mL}$	Convert UK quart to millilitre (TI : mL) Ref : https://N7calc.com/doc/RN7/Menus/RN7v0_Menu_Chef_page_1.pdf	CONVHP	SET	<no annunciator>
	$\text{qt}_{\text{US}} \rightarrow \ell$	Function (monadic, linked)		Menu [Volume:2] gF5	$\text{qt}_{\text{US}} \text{ to } \ell$	Convert US quart to litre (TI : L) Ref : https://N7calc.com/doc/RN7/Menus/RN7v0_Menu_Volume_page_2.pdf	CONVHP	SET	<no annunciator>
	$\text{qt}_{\text{US}} \rightarrow \text{mL}$	Function (monadic, linked)		Menu [Chef:2] gF5	$\text{qt}_{\text{US}} \text{ to mL}$	Convert US quart to millilitre (TI : mL) Ref : https://N7calc.com/doc/RN7/Menus/RN7v0_Menu_Chef_page_2.pdf	CONVHP	SET	<no annunciator>
	$\text{tbsp}_{\text{UK}} \rightarrow \text{fLoz}_{\text{UK}}$	Function (monadic, linked)		Menu [Chef:1] fF4	$\text{tbsp}_{\text{UK}} \text{ to fLoz}_{\text{UK}}$	Convert UK imperial tablespoon to UK fluid ounce (TI : fLoz _{UK}) Ref : https://N7calc.com/doc/RN7/Menus/RN7v0_Menu_Chef_page_1.pdf	CONVHP	SET	<no annunciator>
	$\text{tbsp}_{\text{UK}} \rightarrow \text{mL}$	Function (monadic, linked)		Menu [Chef:1] F4	$\text{tbsp}_{\text{UK}} \text{ to mL}$	Convert UK imperial tablespoon to millilitre (TI : mL) Ref : https://N7calc.com/doc/RN7/Menus/RN7v0_Menu_Chef_page_1.pdf	CONVHP	SET	<no annunciator>
	$\text{Tbsp}_{\text{US}} \rightarrow \text{fLoz}_{\text{US}}$	Function (monadic, linked)		Menu [Chef:2] fF4	$\text{Tbsp}_{\text{US}} \text{ to fLoz}_{\text{US}}$	Convert US customary tablespoon to US fluid ounce (TI : fLoz _{US}) Ref : https://N7calc.com/doc/RN7/Menus/RN7v0_Menu_Chef_page_2.pdf	CONVHP	SET	<no annunciator>
	$\text{Tbsp}_{\text{US}} \rightarrow \text{mL}$	Function (monadic, linked)		Menu [Chef:2] F4	$\text{Tbsp}_{\text{US}} \text{ to mL}$	Convert US customary tablespoon to millilitre (TI : mL) Ref : https://N7calc.com/doc/RN7/Menus/RN7v0_Menu_Chef_page_2.pdf	CONVHP	SET	<no annunciator>
	$\text{tsp}_{\text{UK}} \rightarrow \text{fLoz}_{\text{UK}}$	Function (monadic, linked)		Menu [Chef:1] fF2	$\text{tsp}_{\text{UK}} \text{ to fLoz}_{\text{UK}}$	Convert UK imperial teaspoon to UK fluid ounce (TI : fLoz _{UK}) Ref : https://N7calc.com/doc/RN7/Menus/RN7v0_Menu_Chef_page_1.pdf	CONVHP	SET	<no annunciator>
	$\text{tsp}_{\text{UK}} \rightarrow \text{mL}$	Function (monadic, linked)		Menu [Chef:1] F2	$\text{tsp}_{\text{UK}} \text{ to mL}$	Convert UK imperial teaspoon to millilitre (TI : mL) Ref : https://N7calc.com/doc/RN7/Menus/RN7v0_Menu_Chef_page_1.pdf	CONVHP	SET	<no annunciator>

Category	Label (Catalog)	Type	Default	Index (location)	Fullname	Extended description	Flag	FlagStatus	Annunciator
	tsP _{US} →floz _{US}	Function (monadic, linked)		Menu [Chef::2] fF2	tsP _{US} to floz _{US}	Convert US customary teaspoon to US fluid ounce (TI : floz _{US} ;) Ref : https://v7calc.com/doc/Rv7/Menu/Rv7v0_Menu_Chef_page_2.pdf	CONV _{HP}	SET	<no annunciator>
	tsP _{US} →mℓ	Function (monadic, linked)		Menu [Chef::2] F2	tsP _{US} to mℓ	Convert US customary teaspoon to millilitre (TI : mℓ;) Ref : https://v7calc.com/doc/Rv7/Menu/Rv7v0_Menu_Chef_page_2.pdf	CONV _{HP}	SET	<no annunciator>