

R47v0 Ref page : Registers -- REGS (Register browser) on key g [▲]

(status bar)

R99:	---
R98:	---
R97:	---
R96:	---
R95:	---
R94:	---
R93:	---
R92:	---
R91:	---
R90:	---

(status bar)

R03:	---
R02:	---
R01:	---
R00:	---
H:	---
V:	---
U:	---
O:	---
G:	---
H:	---

(status bar)

F:	---
E:	---
S:	---
R:	---
Q:	---
P:	---
N:	---
M:	---
K:	---
J:	---
...	---

(status bar)

I:	---
L:	---
D:	---
C:	---
B:	---
A:	---
T:	---
Z:	---
Y:	---
X:	---

REGS control keys
 [] : Switch register/variable view,
 [R/S] : Switch contents/storage view,
 [RC/L] : Recall bottom item,
 [▲], [▼], A..D, I..L, 00..99 : Navigate

RESET fills the registers as listed here

Nr	Register	Registers 00-99 General Purpose, R10-R37 prefilled with test values
00	R00	General purpose register R00
01	---	---
02	---	---
03	R03	General purpose register R03
10	R10	Reg 11, 12 & 13 have: The 3 cubes = 3.
11	R11	569936821221962380720
12	R12	-569936821113563493509
13	R13	-472715493453327032
14	R14	Reg 15, 16 & 17 have: The 3 cubes = 42.
15	R15	-80538738812075974
16	R16	80435758145817515
17	R17	12602123297335631
18	R18	37 digits of pi, Reg19 / Reg20.
19	R19	2646683125139304345
20	R20	842468587426513207
21	R21	Primes: Carol
22	R22	18014396241046527
23	R23	Primes: Kynea
24	R24	1844674082239486207
25	R25	Primes: repunit
26	R26	7369130657357778596659
27	R27	Primes: Woodal
28	R28	1958459827756926302400511
29	R29	Primes: Woodal
30	R30	47769131098520414182480562288248319
31	R31	Primes: Woodal
32	R32	22525179859466661409915431774713195745814267044878909733007331390393510002687
33	R33	pi.(10^100) (101 digits) longinteger
34	R34	31415926535897932384626433832795028841971693993751058209749445923078164062862089986280348253421170680
35	R35	0 ; will be overwritten to store configuration when switching to HP35-mode (see Ref. HP35)
36	R36	100 primes' product 2x3x...x94
37	R37	4711930799906184953162487834760260422020574773409675520188634836164153358450342212052892567855446819...
38	R38	Heart:16*(sin(t)^3)+i*(13*cos(t)-5*cos(2*t)-2*cos(3*t)-cos(4*t))
39..R0	R39..R80	General purpose register R39..R80
Nr	Register	Registers 81-99 General purpose, plus special usage
81..R9	R81..R99	General purpose register R81..R99 plus special usage in menu ELEC, cpxSiv and (R99) XEQM
Nr	Letter	Registers 100-111 Special usage
100	X (TAM)	Stack level 1
101	Y (TAM)	Stack level 2
102	Z (TAM)	Stack level 3
103	T (TAM)	Stack level 4
104	{A}	Stack level 5
105	{B}	Stack level 6
106	{C}	Stack level 7
107	{D}	Stack level 8
108	{L}	Last X
109	{I}	Matrix row index
110	{J}	Matrix column index
111	{K}	Used in MVAR and in the Real solver, stores variable name when <var...> button is pressed without NIM input
Nr	Register	Register 112-210 Local registers
112..210	R.00..R.98	Local registers R.00..R.98 for 1 routine (when allocated) ; example: DSE .00
Nr	Register	Register 211-224 General purpose, plus special usage as distribution parameter
211	{M}	Distribution parameter : mean/median/location/degree of freedom 1
212	N	Distribution parameter : degree of freedom 2/quantity
213	P	Distribution parameter : probability
214	Q	Distribution parameter : shape/3rd integer
215	R	Distribution parameter : rate
216	S	Distribution parameter : scale
217	{E}	General purpose register E
218	{F}	General purpose register F
219	{G}	General purpose register G
220	{H}	General purpose register H
221	O	General purpose register O
222	U	General purpose register U
223	V	General purpose register V
224	W	General purpose register W

Nr	Register	Special use in XEQM
35	R35	Temporary storage for HP35 (configuration)

Nr	Register	Special usage in cpxSiv (not user adjustable)
81	R81	STARTX0
82	R82	STARTX1
83	R83	TICKS
84	R84	TMP
85	R85	Xold
86	R86	Yold
87	R87	Y0
88	R88	X0
89	R89	X1
90	R90	X2
91	R91	Y1
92	R92	Y2
93	R93	X2N
94	R94	DX
95	R95	DY
96	R96	F
97	R97	TOL
98	R98	L1

Nr	Register	Special usage in ELEC menu functions on Z, V and I
90	R90	Z.x
91	R91	Z.y
92	R92	Z.z
93	R93	V.x
94	R94	V.y
95	R95	V.z
96	R96	I.x
97	R97	I.y
98	R98	I.z

Nr	Register	Special use in XEQM
99	R99	Temporary storage for XEQM

Register	Number	Registers General purpose, plus special usage
Reg A	104	Stack level 5
Reg B	105	Stack level 6
Reg C	106	Stack level 7
Reg D	107	Stack level 8
Reg E	217	General purpose register E
Reg F	218	General purpose register F
Reg G	219	General purpose register G
Reg H	220	General purpose register H
Reg I	109	Matrix row index
Reg J	110	Matrix column index
Reg K	111	Used in MVAR and in the Real solver, stores variable name when <var...> button is pressed without NIM input
Reg L	108	Last X
Reg M	211	Distribution parameter : mean/median/location/degree of freedom 1
Reg N	212	Distribution parameter : degree of freedom 2/quantity
Reg O	221	General purpose register O
Reg P	213	Distribution parameter : probability
Reg Q	214	Distribution parameter : shape/3rd integer
Reg R	215	Distribution parameter : rate
Reg S	216	Distribution parameter : scale
Reg T	103	Stack level 4
Reg U	222	General purpose register U
Reg V	223	General purpose register V
Reg W	224	General purpose register W
Reg X	100	Stack level 1
Reg Y	101	Stack level 2
Reg Z	102	Stack level 3