

SLOGO Quick Reference Card

<u>SLOBJECT</u>	<u>Command</u>	<u>Operands</u>	<u>Behavior</u>
mm	TO	P,V1,V2	Define procedure P with formal parameters V ₁ & V ₂
00	NOP		No Operation
01	RETURN		Return from a procedure
01	END		End of proc. definition. Behaves as RETURN.
02ppppn1n2	P	N1,N2	Call procedure P & pass actual parameters N ₁ & N ₂
10nn	FORWARD	N	Move forward N sectors
11	HOME		Put turtle in Initial State
12v1v2	WHERE	V1,V2	V1:=ROW, V2:=COL of current sector
13v1v2	PENSTATE	V1,V2	V1:=0 if UP, 1 if DOWN; V2:=ASCII value of pen
14	RIGHT		Turn right 90 degrees
15	LEFT		Turn left 90 degrees
16	BACK		Turn 180 degrees
17	UP		Pick the pen up (stop drawing when turtle moves)
18	DOWN		Put the pen down (start drawing)
19nn	PEN	N	Change the pen to ASCII value N (0<=N<=255)
1Avv	DIRECTION	V	V := Direction that turtle is facing: (0..3)
1Bvv	SMELL	V	V := ASCII value in current sector
20vnn	SET	V,N	V := N (0<=N<=255)
21vnn	ADD	V,N	V := min (255, (V+N))
22vnn	SUBTRACT	V,N	V := max (0, (V-N))
30vdd	WHILE	N	Loop as long as N > 0
31dd	ENDWHILE		End of WHILE structure
32vdd	IF	N	Do thenpart if N ≠ 0, otherwise skip to ELSE
33dd	ELSE		End of thenpart
--	ENDIF		End of IF structure
--	EXT	P	External Procedure declaration
--	VAR	V	Local variable declaration

KEY

mm = number of variables V = Name of Variable
dd = displacement P = Name of Procedure;
vv = variable ID N = Either Variable name or Constant value
nn = either variable ID or constant value
pppp = address

(Constants may be either numeric or character.)

ASCII Codes

Hex	Dec	Char	Hex	Dec	Char	Hex	Dec	Char	Hex	Dec	Char
00	000	NUL	20	032	SP	40	064	@	60	096	`
01	001		21	033	!	41	065	A	61	097	a
02	002		22	034	"	42	066	B	62	098	b
03	003		23	035	#	43	067	C	63	099	c
04	004		24	036	\$	44	068	D	64	100	d
05	005		25	037	%	45	069	E	65	101	e
06	006		26	038	&	46	070	F	66	102	f
07	007		27	039	'	47	071	G	67	103	g
08	008		28	040	(	48	072	H	68	104	h
09	009		29	041	)	49	073	I	69	105	i
0A	010	LF	2A	042	*	4A	074	J	6A	106	j
0B	011		2B	043	+	4B	075	K	6B	107	k
0C	012		2C	044	,	4C	076	L	6C	108	l
0D	013	CR	2D	045	-	4D	077	M	6D	109	m
0E	014		2E	046	.	4E	078	N	6E	110	n
0F	015		2F	047	/	4F	079	O	6F	111	o
10	016		30	048	0	50	080	P	70	112	p
11	017		31	049	1	51	081	Q	71	113	q
12	018		32	050	2	52	082	R	72	114	r
13	019		33	051	3	53	083	S	73	115	s
14	020		34	052	4	54	084	T	74	116	t
15	021		35	053	5	55	085	U	75	117	u
16	022		36	054	6	56	086	V	76	118	v
17	023		37	055	7	57	087	W	77	119	w
18	024		38	056	8	58	088	X	78	120	x
19	025		39	057	9	59	089	Y	79	121	y
1A	026		3A	058	:	5A	090	Z	7A	122	z
1B	027		3B	059	;	5B	091	[	7B	123	{
1C	028		3C	060	<	5C	092	\	7C	124	|
1D	029		3D	061	=	5D	093	]	7D	125	}
1E	030		3E	062	>	5E	094	^	7E	126	~
1F	031		3F	063	?	5F	095	_	7F	127	DEL