

WISCoding for CON-DECON-~~MOD~~ MADBy CWMC Date 2-11-60 Page 1 of 8

FLOW ORDER		X	TYPE	A	B	C	#	HEXADECIMAL					
#	#							X	T	A	B	C	
				[]	[]	[]	L	100	8	L+2	3ff	35f	
				[]	[]	[]	L+1	/	5	/	/	360	
				D = CON Z = [DECPN	[]	[]	L+2	200	0	W:	Wf	β	
				[]	[]	[]							
			INP	[load	[]	[]	000	/	0	360	3af	3e8	
			add	GET [] + 0	[]	"GET"	[]	360	100	8	36d	3ff	357
			add	[] + 0	[]	[]	1	100	8	36e	3ff	358	
		25	EXT	LO [W:	[^{25,12}]	[]	2	019	1	35f	19c	357	
			add	DEL [] + 0	[]	"DEL"	[]	3	100	8	36b	3ff	355
			add	DEL [] + 0	[]	"DAL"	[]	4	100	8	36b	3ff	359
			add	TEST [] + 0	[]	"TES"	[]	5	100	8	36c	3ff	356
		25	EXT	LO [W:	[^{1,12}]	[]	6	019	1	35f	01c	355	
		13	EXT	LO [Wf	[^{1,12}]	[]	7	00d	1	35f	01c	359	
		1	EXT	LO [β	[^{1,12}]	[]	8	001	1	35f	01c	356	
			sub	[] - 1 ^c	[]	[]	9	100	2	355	3fd	355	
			TRA	[]	[]	[]	2	/	5	/	/	357	
		DEL	EXT	R []	[^{1,49}]	(W:-1) (355)	b	001	1	35e	c11	(W:-1)	
		TEST	tze	[]	[]	(β) (356)	c	100	c	355	359	(β)	
		GET	ada	(W:) + 0	[]	→ N [] (357)	d	100	9	(W:) 3ff	35d	360	
			TRA	[]	[]	[] (358)	e	/	5	/	/	36f	
			ADD	0 [] + 0	[]	→ R []	f	/	8	3ff	3ff	35e	
			TZE	N [] - 0	[]	INDEX []	370	/	c	35d	3ff	38d	
			tne	0 [] - LO	[]	CON []	1	100	e	3ff	35f	390	
			tne	N [] - 8 ^T	[]	[*]	2	100	e	35d	3f8	372	
				[]	[]	[]							

START

MOD

38f

360

INDEX

CON

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FLOW	ORDER	X	TYPE	A	B	C	#	HEXADECIMAL				
								X	T	A	B	C
Round-up				[]	[]	[]	373	100	B	35d	3af	35d
			ADD	$\frac{1}{2}$ []	+0 []	$\rightarrow$ R []	4	/	B	3f8	3ff	35e
			TNE	N []	-10^{10} []	[*+4]	5	/	e	35d	3f5	379
			DIV	N []	$\div 10^{10}$ []	$\rightarrow$ N []	6	/	3	35d	3f5	35d
			MPY	R []	$\times 2^{16}$ []	$\rightarrow$ R []	7	/	2	35e	3e9	35e
			TRA	[]	[]	[*-3]	8	/	5	/	/	375
Exponent			TNE	N []	-10 []	[]	9	/	e	35d	3f6	37d
			DIV	N []	$\div 10$ []	$\rightarrow$ N []	a	/	3	35d	3f6	35d
			MPY	R []	$\times 2$ []	$\rightarrow$ R []	b	/	2	35e	3ea	35e
			TRA	[]	[]	[]	c	/	5	/	/	379
			TNE	$\sim 10^{-9}$ []	- N []	[]	d	/	e	3f4	35d	381
Decimal			MPY	N []	$\times 10^{10}$ []	$\rightarrow$ N []	e	/	2	35d	3f5	35d
			DIV	R []	$\div 2^{16}$ []	$\rightarrow$ R []	f	/	3	35e	3e9	35e
			TRA	[]	[]	[]	380	/	5	/	/	37d
Form			TNE	.11111 []	- N []	[]	1	/	e	3ee	35d	385
			MPY	N []	$\times 10^4$ []	$\rightarrow$ N []	2	/	2	35d	3ae	35d
			DIV	R []	$\div 2$ []	$\rightarrow$ R []	3	/	3	35e	3ea	35e
			TRA	[]	[]	[]	4	/	5	/	/	381
Clear R	R		sub	R []	- R []	$\rightarrow$ R []	5	100	a	35e	35e	35e
Fix	N		ADD	N []	+ 16 []	$\rightarrow$ N []	6	/	B	35d	3fo	35d
			TRA	[]	[]	[]	7	/	5	/	/	38a
				[]	[]	[]						
				[]	[]	[]						
				[]	[]	[]						
				[]	[]	[]						

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FLOW	ORDER	X	TYPE	A	B	C	#	HEXADECIMAL				
								X	T	A	B	C
Form decimal number			div	R []	$\div 2^{-4}$ []	$\rightarrow$ R []	388	100	3	35e	3fa	35e
			div	N []	$\div 10$ []	$\rightarrow$ N []	9	100	3	35d	3ad	35d
		36	EXT	["]	^{1,4} []	$\rightarrow$ R []	2	024	1	800	014	35e
		1	EXT	O []	^{36,5} []	$\rightarrow$ N []	6	001	1	3ff	245	35d
Indexing			tne	R []	$- 1^T$ []	[]	c	100	e	35e	3fa	388
	INDEX		add	"DEL" []	$+ 1^C$ []	$\rightarrow$ "DEL" []	d	100	8	355	3fd	355
			add	"GET" []	$+ 1^A$ []	$\rightarrow$ "GET" []	e	100	8	357	3fb	357
			TRA	[]	[]	"DEL" []	f	/	5	/	/	355
Form binary fraction				[]	[]	[]						
			MPY	10^{10} []	$\times 10$ []	$\rightarrow$ T []	390	/	2	3f5	3fb	35b
			MPY	16 []	$\times \frac{1}{2}$ []	$\rightarrow$ Q []	1	/	2	3fo	3fb	35c
		37	EXT	N []	^{37,4} []	$\rightarrow$ Q []	2	025	1	35d	254	35c
		1	EXT	O []	^{37,4} []	$\rightarrow$ N []	3	001	1	3ff	254	35d
			DIV	T []	$\div 10$ []	$\rightarrow$ T []	4	/	3	35b	3fb	35b
			MPY	["]	$\times Q$ []	$\rightarrow$ ["]	5	/	2	800	35c	800
			ADD	R []	$+ ["]$	$\rightarrow$ R []	6	/	8	35e	800	35e
			div	N []	$\div 2^{-4}$ []	$\rightarrow$ N []	7	100	3	35d	3fa	35d
			tne	O []	$- ["]$	[]	8	100	e	3ff	800	392
			DIV	R []	$\div 10^{10}$ []	$\rightarrow$ R []	9	/	3	35e	3f5	35e
			add	N []	$+ 8^T$ []	$\rightarrow$ ["]	a	100	8	35d	3fb	800
			DIV	["]	$\div \frac{1}{2}$ []	$\rightarrow$ N []	b	/	3	800	3fb	35d
				[]	[]	[]						
				[]	[]	[]						
				[]	[]	[]						
				[]	[]	[]						

387

329
32d
32e
32f
3d1

355

371

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FLOW ORDER		X	TYPE	A	B	C	#	HEXADECIMAL					
#	#							X	T	A	B	C	
			TNE	N ["] - 2 ¹⁶ [] []			39c	/	e	800	3e9	3a0	
			MPY	R [] × 10 ¹⁰ [] → R []			d	/	2	35e	3f5	35e	
			DIV	N [] ÷ 2 ¹⁶ [] → N []			e	/	3	35d	3e9	35d	
			TRA	[] [] []			f	/	5	/	/	39c	
			TNE	N [] - 2 [] []			3a0	/	e	35d	3ea	3a4	
			DIV	N [] ÷ 2 [] → N []			1	/	3	35d	3ea	35d	
			MPY	R [] × 10 [] → R []			2	/	2	35e	3f6	35e	
			TRA	[] [] []			3	/	5	/	/	3a0	
			DIV	I [] ÷ N [] → N []			4	/	3	3fe	35d	35d	
			TNE	N ["] - 2 ¹⁶ [] []			5	/	e	800	3e9	3a9	
			DIV	R [] ÷ 10 ¹⁰ [] → R []			6	/	3	35e	3f5	35e	
			DIV	N [] ÷ 2 ¹⁶ [] → N []			7	/	3	35d	3e9	35d	
			TRA	[] [] []			8	/	5	/	/	3a5	
			TNE	N [] - 2 [] []			9	/	e	35d	3ea	38d	
			DIV	N [] ÷ 2 [] → N []			a	/	3	35d	3ea	35d	
			DIV	R [] ÷ 10 [] → R []			b	/	3	35e	3f6	35e	
			TRA	[] [] []			c	/	5	/	/	3a9	
				[] [] []									
				[] [] []			10	d	000	1	999	999	99a
				[] [] []			10 ⁺	e	004	a	000	000	001
				[] Roundup [] []			f	000	0	000	000	020	
				[] [] []									
				[] [] []			3e9	011	8	000	000	000	
				[] [] []			3ea	002	8	000	000	000	
				[] [] []									

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FLOW ORDER		X	TYPE	A	B	C	#	HEXADECIMAL						
#	#							X	T	A	B	C		
				[]	[]	[]	L	100	8	L+2	3ff	35f		
				[]	[Adaptation]	[]		L+1	/	5	/	/	3b1	
				[]	[]	[]		L+2	0	j	W:	k	β	
				[]	[]	[]								
				[]	[]	[]	L	100	8	L+2	3ff	35f		
				[]	[]	[]	L+1	/	5	/	/	3b1		
				[]	[]	[]	L+2	2	L+3	W:	W ₄	β		
				[]	[]	[]	L+3	/	0	f	l	s		
				[]	[]	[]								
			INP	[Load	[]	[]	000	/	0	3b0	3d1	3e8		
			TRA	[]	β ₂	[]	β ₁	[]	3b0	/	5	/	3c1	3b5
			add	[*-1] + 0	[]	→	[]	1	100	8	3b0	3ff	358	
			add	GET [] + 0	[]	→ "GET"	[]	2	100	8	36d	3ff	357	
			37 EXT	LO []	[^{25,12}]	→ "GET"	[]	3	025	1	35f	19c	357	
			TRA	[]	[]	[]	4	/	5	/	/	363		
			13 EXT	[β ₂]	[^{1,12}]	→	[β ₁]	5	00d	1	358	01c	358	
			add	"GET" [] + 1 ^c	[]	→ "GET"	[]	6	100	8	357	3fd	357	
			25 EXT	LO (W _i)	[^{25,12}]	→ "GET"	[]	7	019	1	35f	19c	357	
			tnc	LO [] - 0	[]	[]	8	100	e	35f	3ff	3bc		
			1 CLE	[W _i -1]	[^{1,12}]	→ W _i -1	[]	9	101	1	35f	01c	35d	
			add	k [] + W _i	[]	→ W ₄	[]	2	100	8	359	35d	359	
			37 EXT	LO [j]	[^{13,12}]	→ l	[]	6	025	1	35f	0dc	35d	
				[]	[]	[]								
				[]	[]	[]								
				[]	[]	[]								

START

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FLOW ORDER		X	TYPE	A	B	C	#	HEXADECIMAL					3b8	3bb
#	#							X	T	A	B	C		
	25		CLE	[f]	[^{13,12}] → f _B []	3bc		119	1	35d	0dc	35c		
	1		CLE	[S]	[^{13,12}] → S _B []	d		101	1	35d	0dc	35f		
	13		CLE	[l]	[^{13,12}] → l _B []	e		10d	1	35d	0dc	35d		
			sub	S _B [] - f _B []	→ θ _B []	f		100	2	35f	35c	35f		
			TRA	[]	[] "GET" []	3c0		/	5	/	/	357		
	25		CLE	N [A]	[^{13,12}] → A _B []		1	119	1	35e	0dc	35a		← 358
	1		CLE	N [C]	[^{13,12}] → C _B []		2	101	1	35e	0dc	35b		
			tne	A _B [] - f _B []		[]	3	100	e	35a	35c	3c7		
			tne	l _B [] - A _B []		[]	4	100	e	35d	35a	3c7		
			div	θ _B [] ÷ 2 ⁻¹² []	→ θ _A ["]		5	100	3	35f	3eb	800		
			add	N [] + θ _A ["]	→ N []		6	100	8	35e	800	35e		
	31		CLE	N [T]	[^{37,4}] → T []		7	125	1	35e	254	35a		
			tne	C _B [] - f _B []		[]	8	100	e	35b	35c	3cc		
			tne	l _B [] - C _B []		[]	9	100	e	35d	35b	3cc		
			mpy	θ _B [] × 2 ⁻¹² []	→ θ _C ["]		a	100	2	35f	3eb	800		
			add	N [] + θ _C ["]	→ N []		b	100	8	35e	800	35e		
	13		CLE	N [B]	[^{13,12}] → B _B []		c	10d	1	35e	0dc	35b		
			tze	T [] - 1 ^T []		[]	d	100	c	35a	3fa	38d		→
			tne	B _B [] - f _B []		[]	e	100	e	35b	35c	38d		→
			tne	l _B [] - B _B []		[]	f	100	e	35d	35b	38d		→
			add	N [] + θ _B []	→ N []		3d0	100	8	35e	35f	35e		
			TRA	[]	[]	[]	1	/	5	/	/	38d		→
				[]	[]	[]	2							
				[]	[]	[]								
				[]	[]	[]								

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