2.01.02

EXP ~~EXS~~

j = 023
k = 020

Exponential

```
                000000010233e8,

001             019135f19c004,
  2             00d135f01c01c,
  3             001135f01c01d,
  4             00080003ff35f,
  5             00083f83ff35d,
  6             000335f02135f,
  7             000f022800001e,
  8             000935f3f8800,
  9             000902335f35e,
  a             002180029835d,
  b             000a35e023800,
  c             000b35f80035e,
  d             000335d3f835d,
  e             000e3ff35f011,
  f             000a3ff35e35e,
010             00033fe35d35d,
  1             000235e02135e,
  2             00083fe3ff35f,
  3             00083fe3ff35b,
  4             00083ff3ff35c,
  5             00083ff35b35a,
  6             000835c3fe35c,
  7             000235f35e800,
  8             200380035c35f,
  9             000835b80035b,
  a             100b80035a800,
  b             100f3f3800015,
  c             000235b35d000,
  d             0005000000000,
  e             000e02235f3e8,
  f             00083ff3ff35b,
020             000500000001c,
  1             000b17217f7d2,
  2             008feffffffff,
  3             0278000000000,
```

Replaced
11-28-59
CWMc

367

Replaced 11-28-59 J IN ERROR

2.01.02 ~~EXP~~ EXS

J = 023
K = 020

WISCoding for Expansion of Exponent, b, to Natural base, e

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FLOW #	ORDER #	X	TYPE	A	B	C	#	HEXADECIMAL X	T	A	B	C
	1	25	E	LINK [863]	[25,12] →]b[	[4]	1	019	1	35f	19c	004
	2	13	E	LINK [863]	[1,12] →]r[	[28]	2	00d	1	35f	01c	01c
	3	1	E	LINK [863]	[1,12] → β	[29]	3	001	1	35f	01c	01d
	4		A	b [ ]b[ ] + 0	[1023] = b	[863]	4	000	8	000	3ff	35f
	5		A	½ [1016] + 0	[1023] = ½	[861]	5	000	8	3f8	3ff	35d
	6		D	b [863] ÷ ln2	[33] = ±(i+f)	[863]	6	000	3	35f	021	35f
	7		TNA	254.9···9 [34]	±(i+f) [↘]	overflow / under flow test [30]	7	000	f	022	800	01e
	8		AA	|i+f| [863] + ½	[1016] = |i+f|	[↘]	8	000	9	35f	3f8	800
	9		AA	|½×z^39| [35]	+ |i+f| [↘]	= ½×z^(39+i+i') [862]	9	000	9	023	35f	35e
	10	2	E	½×z^(39+i+i') [↘]	[41,8] → ½×z^(i+i')	[86]	a	002	1	800	298	35d
	11		S	½×z^(39+i+i') [862]	- ½×z^39 [35]	= |i|' [↘]	b	000	a	35e	023	800
	12		SA	(i+f) [863]	- i' [↘]	= |f|^½ [862]	c	000	b	35f	800	35e
	13		D	½×z^(i+i') [861] ÷ ½	[1016] = z^(i+i')	[861]	d	000	3	35d	3f8	35d
	14		TN	0 [1023]	±(i+f) [863]	Test for sign of b [17]	e	000	e	3ff	35f	011
	15		S	0 [1023]	- |f| [862]	= ±f [862]	f	000	a	3ff	35e	35e
	16		D	1 [1022] ÷ z^(i+i')	[861]	= z^(±i') [861]	10	000	3	3fe	35d	35d
14 →	17		M	±f [862] × Ln2	[33]	= ±s [862]	11	000	2	35e	021	35e
	18		A	1 [1022] + 0	[1023] = T₀ = 1	[863]	12	000	8	3fe	3ff	35f
	19		A	1 [1022] + 0	[1023] = Σ₀ = 1	[859]	13	000	8	3fe	3ff	35b
	20		A	0 [1023] + 0	[1023] = n₀ = 0	[859]	14	000	8	3ff	3ff	35c
26 →	21		A	0 [1023]	+ Σ_n [859]	= Σ_(n-1) [858]	15	000	8	3ff	35b	35a
	22		A	n-1 [860] + 1	[1022] = n	[860]	16	000	8	35c	3fe	35c
	23		M	T_(n-1) [863] × ±s	[862] = ±sT_n	[↘]	17	000	2	35f	35e	800
	24		D	±sT_(n-1) [↘] ÷ n	[860] = T_n	[863]	18	000	3	800	35c	35f
	25		A	Σ_(n-1) [859]	+ T_n [↘]	= Σ_n [859]	19	000	8	35b	800	35b

C — 5 — 341

Replaced 11-28-59

IN ERROR

2.01.02 EXP EXS

WISCoding for Expansion of Exponent, b, to Natural base, e

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FLOW #	ORDER #	X	TYPE	A	B	C	#	HEXADECIMAL X	T	A	B	C
	26		SA	Σ_n [ ] - Σ_{n-1} [858] = $\Delta\Sigma_n$ [ ]			1a	100	b	800	35a	800
	27		TNA	.000…2[1011] × |$\Delta\Sigma_n$|[ ]		[21]	1b	100	f	3f3	800	015
32 →	28		M	ρ^s [859] × $z^{\pm i'}$	[861] = e^b	[ ]r[ ]	1c	000	2	35b	35d	000
	29		TU	[ ]	[ ]	[ ]β[ ]	1d	000	5	000	000	000
7 →	30		TN	254.9…9[34]-|i+f|	[863] OVER-FLOW	[1000]	1e	000	e	022	35f	3e8
	31		A	0 [1023] + 0	[1023] = ANS+0	[859]	1f	000	8	3ff	3ff	35b
	32		TU	[ ]	[ ]	[28]	20	000	5	000	000	01c
	33		Ln	$z = .6$ [9314]71805	[59]	[ ]	21	000	b	172	17f	7d2
	34		25	4.99-[· 9]	[ ]	[ ]	22	008	f	eff	fff	fff
	35		½	$\times 2^{39}$ [ ]	[ ]	[ ]	23	027	8	000	000	000
				[ ]	[ ]	[ ]						
				[ ]	[ ]	[ ]						
				[ ]	[ ]	[ ]						
	858			Σ_{n-1} [ ]	[ ]	[ ]	35a					
	859			$\Sigma_{n=1}$, [Σ_n]	[ ]	[ ]	35b					
	860			$n_0 = 0$ [, n]	[ ]	[ ]	35c					
	861			½, ½×[$z^{\|i\|i'}$,] $z^{\|i\|i'}$, $z^{\pm i'}$ [ ]		[ ]	35d					
	862			½×z^{40}+[|i|,]|f|, ±[|f|$^{<½}$], ±f, ±s[ ]			35e					
	863		LINK	b, $\frac{b}{\ln 2}$[=±(i±f)], $T_0 = 1$, [T_n]		[ ]	35f					
				[ ]	[ ]	[ ]						
				[ ]	[ ]	[ ]						
				[ ]	[ ]	[ ]						
				[ ]	[ ]	[ ]						
				[ ]	[ ]	[ ]						
				[ ]	[ ]	[ ]						

for TRACE

359

343

Punch 359 b c f

Over