

SC 20074

K2-10.0

Memory Print 1 - Format Controlled Decimal

0000	u0536'	initialize
0001	r0137'	
0002	u0145'	is it hex word?
0003	t0327'	if neg is hex
0004	b0219'	u0009
0005	y0241'	exit of location subroutine
	,0000001'	
0006	00000400'	sense 4 short format?
0007	u0257'	word/line subroutine
0008	u0251'	location subroutine
0009	b0417'	wtp temp
0010	t0060'	neg inst
0011	a0433'	0j00 0000
0012	xp0200'	1st space of command
0013	xp0200'	2nd space of command
0014	h0407'	print temp
0015	e0430'	xs6363
0016	s0431'	8 at 15
0017	t0203'	
0018	s0461'	1 at 15
0019	t0212'	print "x"
0020	u0207'	unmodify?
0021	b0407'	print temp
0022	xp0200'	print space or 0 before command letter
0023	b0409'	0-modifier+command character zone bit
0024	a0417'	wtp temp
0025	xi6200'	shift left 6
0026	xi6200'	
0027	xp0200'	print command letter
0028	e0350'	03ww j000
0029	d0408'	10 at 8-1 at 18
0030	r0059'	
0031	u0049'	print address

0032	b0361'	8000 0000
0033	xp0200'	stop code after order
	,0000003'	
0034	00001000'	sense 16
0035	00000040'	stop for comments
0036	00000800'	sense 8
0037	u0000'	start over
0038	r0224'	
0039	u0227'	pick new wt-increment and check wtp location
0040	t0001'	
0041	u0336'	
0042	80xp0200'	print 3rd hex char
0043	80xi6200'	
0044	u0216'	
0045	y0131'	location of wtp
0046	u0220'	
0047	b0723'	hex word counter
0048	d0406'	10 at 20-1 at 30
0049	80x0200'	print track tens
0050	e0458'	0www wwwq
0051	n0316'	10 at 31
0052	80xp0200'	print track units
0053	e0404'	0www wwwq
0054	d0363'	10 at 6-1 at 30
0055	80xp0200'	print sector tens
0056	e0400'	0www wwwq
0057	n0316'	10 at 31
0058	80xp0200'	print sector units
0059	u0000'	print address exit
0060	80xp0200'	print 8 of command
0061	a0405'	8800 0000
0062	xp0200'	print 0 of command
0063	u0014'	
	,0000002'	

0100	800000002'	1 at 30+sign bit
0101	00004wwq'	10 at 20-1 at 30
0102	b0152'	
0103	a0318'	2 at 29
0104	u0109'	
0105	xp0200'	2nd 0 after comma
0106	u0443'	
0107	z0000'	location prime of wtp
0108	z0000'	word/line count
0109	y0152'	
0110	a0360'	1 at 29
0111	y0154'	
0112	u0152'	
0113	b0428'	8000 0000
0114	u0224'	
0115	b0723'	hex counter
0116	s0138'	63 at 29
0117	t0143'	
0118	r0311'	
0119	u0262'	print hex
0120	u0001'	
0121	z0000'	line/page count
0122	r0137'	
0123	u0145'	is it hex word?
0124	t0115'	if neg is hex
0125	r0311'	
0126	u0262'	print hex
0127	u0001'	
0128	xp0200'	1st space before comma
0129	u0302'	
	,00000002'	
0130	gj0000004'	
0131	00000000'	location of wtp

0132	800u0436'	constant
0133	b0762'	wtp temp
0134	e0463'	7ww0 j002
0135	s0100'	1 at 30+sign bit
0136	u0137'	
0137	u0000'	
	,0000001'	
0138	000000wj'	63 at 29
0139	r0161'	
0140	u0312'	c.r. subroutine
0141	b0256'	0j00 0000
0142	u0128'	
0143	a0736'	64 at 29
0144	u0330'	
0145	b0131'	location of wtp
0146	s0761'	hex area lo
0147	t0133'	not in hex area
0148	s0763'	hex area hi-lo+1
0149	t0137'	is hex
0150	u0102'	get next hex area from table
0151	z0000'	ts 1
0152	b0000'	hex area lo from table
0153	c0761'	hex area lo
0154	b0000'	hex area hi-lo+1 from table
0155	c0763'	hex area hi-lo+1
0156	u0145'	
	,0000003'	
0157	00003wwj'	xz6363
0158	00043q00'	shift left 6
0159	00080200'	lst 0 for comma word
0160	u0105'	
0161	u0000'	c.r. subroutine exit
0162	b0434'	6j20 0000
0163	xp0200'	print , for comma word

0200	u0158'	
0201	xp0200'	4th space before comma
0202	u0225'	
0203	a0432'	4 at 15
0204	t0207'	unmodify?
0205	s0462'	1 at 15
0206	t0212'	print "x"
0207	e0157'	xs6363
0208	s0401'	mod lo
0209	t0212'	print "x"
0210	s0760'	mod hi-lo+1
0211	t0021'	unmodify
0212	b0362'	9J00 0000
0213	xp0200'	print x of command
0214	b0429'	0000 4000 order character zone bit
0215	u0024'	
0216	80xp0200'	print 4th hex character
0217	80xi6200'	
0218	u0440'	
0219	u0009'	constant
0220	y0242'	location of wtp
0221	s0757'	final+1+sign bit
0222	t0308'	
0223	u0224'	
0224	u0000'	exit from pick and increment wtp location subroutine
0225	xp0200'	5th space before comma
0226	u0162'	
0227	b0242'	location of wtp
0228	a0307'	1 at 29
0229	y0308'	wtp pick up
0230	u0045'	
0231	c0460'	loc/page count

0232	r0161'	
0233	u0312'	c.r. subroutine
0234	b0242'	location of wtp
0235	s0521'	modifier
0236	d0101'	10 at 20-1 at 30
0237	r0059'	
0238	u0049'	print address
0239	b0304'	0kg0 8000 alpha space-comma-zero
0240	xp0200'	space after location
0241	u0000'	print location exit
0242	z0000'	location of wtp
0243	c0108'	word/line count
0244	u0241'	location subroutine exit
0245	c0460'	loc/page count
0246	r0161'	
0247	u0342'	skip out page subroutine
0248	u0234'	
	,0000001'	
0249	80010004'	80xb0001
0250	c0108'	word/line count
0251	b0402'	location subroutine here
0252	a0460'	loc/page count
0253	t0231'	
0254	b0719'	0-loc/page
0255	u0245'	
	,0000001'	
0256	0j000000'	alpha space
0257	b0108'	word/line count and subroutine start
0258	a0402'	1 at 29
0259	t0243'	
0260	b0746'	0-word/line
0261	u0250'	location subroutine
	,0000001'	
0262	00000400'	sense 4 print hex here
0263	u0162'	short format

0300	u0139'	long format
	,0000001'	
0301	43kk9184'	c.r.skip
0302	xp0200'	2nd space before comma
0303	u0305'	
	,0000001'	
0304	0kg08000'	
0305	xp0200'	3rd space before comma
0306	u0201'	
	,0000001'	
0307	00000004'	1 at 29
0308	b0000'	
0309	h0417'	wtp
0310	u0340'	
0311	u0000'	location print subroutine exit
0312	b0527'	skip at 29 c.r. subroutine here
0313	a0121'	lin/page count
0314	t0352'	
0315	u0319'	
	,0000003'	
0316	0000000f'	10 at 31
0317	43wwwwwq'	
0318	00000008'	2 at 29
0319	s0527'	skip
0320	e0435'	43ww wwwq
0321	xp0200'	c.r.
0322	a0130'	gj00 0004
0323	t0345'	
0324	b0753'	0-lin/page
0325	u0356'	
	,0000001'	
0326	gj000004'	
0327	b0242'	location of wtp
0328	c0107'	location prime of wtp
0329	b0344'	1 at 29
0330	c0723'	hex word counter
0331	r0224'	

0332 u0227' pick new wtp and increment and check location of wtp
0333 t0122'
0334 r0311'
0335 u0262' print hex
,0000001'
0336 00000020' halt-done
0337 u0000' start over
0338 80xp0200' print 7th hex character
0339 u0418'
0340 h0762' wtp
0341 u0113'
0342 b0121' lin/page count
0343 u0345'
,0000001'
0344 00000004' 1 at 29
0345 e0317' 43ww wwwq
0346 xp0200' c.r.
0347 a0326' gj00 0004
0348 t0320'
0349 u0324'
,0000001'
0350 03wwj000'
0351 xz0000' spare
0352 e0317' 43ww wwwq
0353 xp0200' c.r.
0354 a0326' gj00 0004
0355 s0527' skip
0356 c0121' lin/page count
0357 u0161'
,0000019'
0358 00000000' spare
0359 0003j3j0'
0360 00000004' 1 at 29
0361 80000000'
0362 9j000000'
0363 13wwwwwq' lo at 6-1 at 30

0400	0wwwwwwq'	
0401	00000000'	mod 10
0402	00000004'	1 at 29
0403	00000004'	1 at 29
0404	0wwwwwwq'	
0405	88000000'	
0406	00004wwq'	10 at 20-1 at 30
0407	00000000'	print temp
0408	04wwq000'	10 at 8-1 at 18
0409	00000000'	0-modifier+order char zone bit
0410	0000ww00'	
0411	80080200'	print 2nd hex char
0412	80043q00'	shift left 4
0413	u0042'	
0414	80xp0200'	print 6th hex char
0415	80xi6200'	
0416	u0338'	
0417	z0000'	wtp temp
0418	80xi6200'	
0419	80xp0200'	print 8th hex char
0420	b0249'	80xb0001
0421	a0436'	wtp pick up
	,0000004'	
0422	00080200'	print stop code
0423	00001000'	sense 16
0424	00000040'	stop for comments
0425	00000800'	sense 8
0426	u0000'	start over
0427	u0450'	
	,0000008'	
0428	80000000'	
0429	00004000'	64 at 29
0430	000w3wwj'	xs6363
0431	00080000'	8 at 15

0432	00040000'	4 at 15
0433	0j000000'	alpha space
0434	6j200000'	
0435	43wwwwwq'	
0436	b0000'	wtp from memory
0437	80xp0200'	1st hex char
0438	80xi6200'	
0439	u0411'	
0440	80xp0200'	print 5th hex char
0441	80xi6200'	
0442	u0414'	
0443	xp0200'	3rd zero after comma
0444	r0059'	
0445	u0047'	print hex word counter
0446	b0132'	800u0436
0447	xp0200'	stop code after comma word
0448	y0241'	
0449	b0107'	location prime of wtp
0450	u0737'	
0451	b0723'	hex word counter
0452	s0403'	1 at 29
0453	t0311'	done hex print
0454	c0723'	hex word counter
	,0000001'	
0455	00000400'	sense 4
0456	u0257'	short format word/line subroutine
0457	u0251'	long format location subroutine
	,0000006'	
0458	0wwwwwq'	
0459	0jw00000'	
0460	00000000'	loc/page count
0461	00010000'	1 at 15
0462	00010000'	1 at 15
0463	7ww0j002'	

0500	xp0200'	alpha out-input-binarize
0501	xi6200'	
0502	xp0200'	2nd alpha char
0503	xi6200'	
0504	xp0200'	3rd alpha char
0505	xi6200'	
0506	xp0200'	4th alpha char
0507	xi6200'	
0508	xp0200'	5th alpha char
0509	b0459'	0jw0 0000
0510	xp0200'	space
0511	80xi0200'	input a word
0512	t0532'	nothing input if neg
0513	h0528'	temp 1
0514	n0360'	1 at 29
0515	h0151'	ts 1
0516	e0359'	0003 j3j0
0517	m0712'	-6 at 4
0518	u0522'	
	,0000003'	
0519	00020000'	1 at 14
0520	421675j4'	c.r.pnch
0521	00000000'	modifier
0522	a0151'	ts 1
0523	h0716'	ts 2
0524	e0410'	0000 ww00
0525	m0718'	-3/4 at 0
0526	u0530'	
	,0000003'	
0527	00000020'	skip at 29
0528	00000000'	temp 1
0529	00000000'	spare
0530	a0716'	ts 2
0531	e0703'	0000 3wwj

0532	u0000'	input and binarize exit
0533	b0519'	l at 14
0534	m0528'	temp 1
0535	u0515'	
	,0000001'	
0536	00002000'	sense 32
0537	u0730'	skip input of format parameters
0538	b0710'	c.r.lins
0539	r0532'	
0540	u0500'	alpha out-input-binarize
0541	c0725'	lines/page
0542	b0707'	c.r.locs
0543	r0532'	
0544	u0500'	alpha out-input-binarize
0545	c0722'	locs/page
0546	b0711'	c.r.wrds
0547	r0532'	
0548	u0500'	alpha out-input-binarize
0549	c0726'	words/line
0550	b0301'	c.r.skip
0551	r0532'	
0552	u0500'	alpha out-input-binarize
0553	u0740'	adjust and clear to skip
0554	s0726'	words/line
0555	c0746'	0-words/line
0556	c0108'	w/l count
0557	s0722'	locs/page
0558	h0719'	0-loc/page
0559	u0727'	
0560	s0725'	lines/page
0561	h0753'	0-lines/page
0562	a0713'	l at 29
0563	c0121'	lines/page count

0600	b0715'	c.r.md a
0601	r0532'	
0602	u0500'	alpha out-input-binarize
0603	c0750'	mod area hi
0604	r0532'	
0605	u0533'	binarize lo
0606	c0401'	mod area lo
0607	b0750'	mod area hi
0608	a0344'	l at 29
0609	s0401'	mod area lo
0610	c0760'	mod area hi-lo+l
0611	b0704'	c.r.modi
0612	r0532'	
0613	u0500'	alpha out-input-binarize
0614	c0521'	modifier
0615	b0708'	order char zone bit
0616	s0521'	modifier
0617	c0409'	0-modifier+order char zone bit
0618	b0733'	start of hex table
0619	y0631'	
0620	a0706'	l at 29
0621	y0636'	
0622	s0344'	l at 29
0623	y0152'	
0624	b0717'	c.r.hx a
0625	r0532'	
0626	u0500'	alpha out-input-binarize
0627	t0647'	done
0628	c0743'	hex area hi
0629	r0532'	
0630	u0533'	binarize lo
0631	h0000'	hex area lo table

0632	c0716'	hex area lo
0633	s0716'	hex area lo
0634	a0706'	1 at 29
0635	a0743'	hex area hi
0636	c0000'	hex area hi-lo+1 table
0637	b0318'	2 at 29
0638	a0631'	
0639	y0631'	
0640	s0705'	h[final]+sign bit
0641	t0647'	
0642	a0721'	h[final+1]+sign bit
0643	y0636'	
0644	r0532'	
0645	u0509'	input and binarize
0646	u0627'	
0647	b0631'	
0648	y0650'	
0649	b0714'	64 at 23
0650	c0000'	last entry in hex table
0651	b0800'	1st entry in hex table
0652	c0761'	hex area lo
0653	b0801'	2nd entry in hex table
0654	c0763'	hex area hi-lo+1
0655	b0520'	c.r.pnch
0656	r0532'	
0657	u0500'	alpha out-input-binarize
0658	a0702'	sign bit+1 at 29
0659	c0757'	final+1+sign bit
0660	r0532'	
0661	u0533'	binarize lo
0662	r0224'	
0663	u0229'	

0700	u0001'	
	,0000004'	
0701	00000000'	spare
0702	00000004'	1 at 29
0703	00003wwj'	xz6363
0704	41k8k544'	c.r.modi
0705	800h0862'	b[final]+sign bit
	,0000015'	
0706	00000004'	1 at 29
0707	4068w5w4'	c.r.locs
0708	00004000'	64 at 23
0709	00000000'	spare
0710	406459w4'	c.r.lins
0711	43q355w4'	c.r.wrds
0712	k0000000'	-6 at 4
0713	00000004'	1 at 29
0714	00004000'	64 at 23
0715	41k543q4'	c.r.md a
0716	00000000'	ts 2
0717	4319j3q4'	c.r.hx a
0718	f0000000'	-3/4 at 0
0719	00000000'	0-loc/page
0720	00000000'	spare
0721	800h0863'	b[final+1]+ sign bit
	,0000005'	
0722	00000080'	loc/page
0723	00000000'	hex word counter
0724	00000000'	spare
0725	000000jj'	lines/page
0726	00000020'	wrds/line
0727	s0706'	
0728	c0460'	
0729	u0560'	
0730	c0732'	
0731	u0554'	

0732	xz0000'	spare
0733	b0800'	start hex table
0734	z0000'	
0735	z0000'	
0736	xz0100'	1 at 23
0737	y0242'	
0738	y0436'	
0739	u0451'	
0740	a0706'	
0741	c0527'	
0742	u0554'	
	,0000021'	
0743	18095j00'	hex area hi
0744	000q0056'	spare
0745	38015800'	spare
0746	00020544'	0-words/line
0747	000w2718'	spare
0748	000k24w0'	spare
0749	000f25w0'	spare
0750	00030260'	mod area hi
0751	0j098400'	spare
0752	000f0226'	spare
0753	28089j00'	0-lins/page
0754	000j0310'	spare
0755	300j4400'	spare
0756	000f0544'	spare
0757	28151000'	final+l+sign bit
0758	00010544'	spare
0759	04151000'	spare
0760	00020610'	mod hi-lo+l
0761	08184400'	hex area lo
0762	00030446'	wtp temp
0763	0j111800'	hex area hi-lo+l
	.00000000'	