

66	p7h		2.p7h
67	p7h		.
70	p7a		p7a
71	cla	feed,	cla
72	add 7352		add char+20
73	sto 5744	blkt,	sto fcc1a

Utility Tape 3
27 Feb 1958

5540	400762	5540	k1,	wordstore-tn-h6
41	177776		adm2,	ad-2
42	770040		limit,	-7737
43	406457		k2,	tn+sp5b-2
44	777707		k3,	srpt-sp5b
45	add 7622		comma,	add wordstore
46	trn 5552		cm1,	trn owbp
47	cla			cla
50	add 5546			add cm1
51	trn 6120			trn s3
52	p6s		owbp,	p6s
53	add 6126			add ca
54	sto 6432			sto sp2
55	sto 7777			sto 7777
56	p6s			p6s
57	add 7132			add h2a
60	trn 7200			trn nir
61	add 7611		startat,	add tn+st1
62	trn 6347			trn nsrch
63	p6s		st1,	p6s
64	add 7435			add comtable+3
65	add 7777			add 7777
66	p7h			2.p7h
67	p7h			.
70	p7a			p7a
71	cla		feed,	cla
72	add 7352			add char+20
73	sto 5744		blkt,	sto fcc1a
74	p6s			p6s
75	add 5744			add fcc1a
76	add 7773			add 7773
77	trn 5573			trn blkt

Enter at 5600

6

3

2

6106/Jan 65 22

LT 3

ENTER

~~6622/5644~~

7377/650602

color shift

5600	cla		hark,	cla
1	add 6006			add fnc6-1
2	sto 5710		listen,	sto lsxt
3	cla		ls5a,	cla
4	add 7377			add char+45
5	pna			pna
6	cal		ls5,	cal
7	add 5666		ls4,	add cr6 = add wordstore
10	sto 6351			sto ns1
11	sto 5724			sto i2a
12	add 7336			add char+4 = -add
13	sto 5644			sto ls1
14	sto 5621			sto e3
15	add 7610			add -wordstore+dr+ad
16	sto 5677			sto cr1
17	sto 5630			sto e2
20	clc		e1,	clc
21	0		e3,	0
22	add 5621			add e3
23	add 7773			add 7773
24	sto 5621			sto e3
25	add 7431			add char+77
26	trn 5620			trn e1
27	clc			clc
30	0		e2,	0
31	lac	0P14622	ls2,	lac
32	add 7607			add 401776
33	trn 5631			trn ls2
34	cyr		ls2b,	cyr
35	trn 5634			trn ls2b
36	add 7606			add ad+char-377600
37	sto 5641			sto ls2c
40	cal			cal
41	0		ls2c,	0
42	sto 5662			sto ls2e
43	trn 5653			trn ls2d
44	0		ls1,	0
45	cla		ls3,	cla
46	add 5644		ls6,	add ls1
47	add 7773			add 7773
50	sto 5644			sto ls1
51	clc			clc
52	trn 5631			trn ls2
53	cyl		ls2d,	cyl
54	trn 5631			trn ls2
55	cyl			cyl
56	trn 5663			trn carret
57	cla			cla
60	add 7377			add char+45
61	pnc			pnc
62	0		ls2e,	0
63	cyl		carret,	cyl
64	trn 5606			trn ls5
65	cla			cla
66	add 7622		cr6,	add wordstore
67	trn 5606			trn ls5
70	cla			cla
71	add 7377			add char+45
72	pna			pna
73	cla		cr5,	cla
74	add 7625			add wordstore+3
75	cyl			cyl
76	add 7624			add wordstore+2
77	0		cr1,	0

6106/Jan 65 22

UT 3

ENTER

5600	cla		hark,	cla
1	add 6006			add fnc6-1
2	sto 5710		listen,	sto lsxt
3	cla		ls5a,	cla
4	add 7377	7377/650602		add char+45
5	pna	color shift		pna
6	cal		ls5,	cal
7	add 5666		ls4,	add cr6 = add wordstore
10	sto 6351			sto ns1
11	sto 5724			sto i2a
12	add 7336			add char+4 = -add
13	sto 5644			sto ls1
14	sto 5621			sto e3
15	add 7610			add -wordstore+dr+ad
16	sto 5677			sto cr1
17	sto 5630			sto e2
20	clc		e1,	clc
21	0		e3,	0
22	add 5621			add e3
23	add 7773			add 7773
24	sto 5621			sto e3
25	add 7431			add char+77
26	trn 5620			trn e1
27	clc			clc
30	0		e2,	0
31	lac	0P14022	ls2,	lac
32	add 7607			add 401776
33	trn 5631			trn ls2
34	cyr		ls2b,	cyr
35	trn 5634			trn ls2b
36	add 7606			add ad+char-377600
37	sto 5641			sto ls2c
40	cal			cal
41	0		ls2c,	0
42	sto 5662			sto ls2e
43	trn 5653			trn ls2d
44	0		ls1,	0
45	cla		ls3,	cla
46	add 5644		ls6,	add ls1
47	add 7773			add 7773
50	sto 5644			sto ls1
51	clc			clc
52	trn 5631			trn ls2
53	cyl		ls2d,	cyl
54	trn 5631			trn ls2
55	cyl			cyl
56	trn 5663			trn carret
57	cla			cla
60	add 7377			add char+45
61	pnc			pnc
62	0		ls2e,	0
63	cyl		carret,	cyl
64	trn 5606			trn ls5
65	cla			cla
66	add 7622		cr6,	add wordstore
67	trn 5606			trn ls5
70	cla			cla
71	add 7377			add char+45
72	pna			pna
73	cla		cr5,	cla
74	add 7625			add wordstore+3
75	cyl			cyl
76	add 7624			add wordstore+2
77	0		cr1,	0

	5700	trn 5711	UT3	trn cr2
	1	cla	cr3,	cla
	2	add 5677		add cr1
	3	add 7373		add char+41
	4	sto 5677		sto cr1
	5	add 7605		add -ad-st
	6	trn 5673		trn cr5
	7	clc		clc
	10	0 <i>nto scy</i>	lsxt,	0
	11	add 7773	cr2,	add 7773
	12	trn 5701		trn cr3
	13	add 5677		add cr1
	14	add 7435		add comtable+3
	15	sto 5621		sto e3
	16	trn 5620		trn e1
	17	add 7407	slash,	add char+55
	20	sto 5725	interpret,	sto ixt
	21	cla	i1,	cla
	22	sto 5621		sto e3
	23	sto 7777		sto 7777
	24	0	i2a,	0
	25	0	ixt,	0
	26	cyl		cyl
	27	trn 6022		trn ipm
	30	cla		cla
	31	add 7401		add char+47
	32	sto 5752		sto fcc2
	33	cla		cla
	34	add 5724		add i2a
	35	sto 5750		sto fcc1c
	36	sto 5767		sto fnc1
	37	add 7773		add 7773
	40	sto 5746		sto fcc1b
	41	add 7773		add 7773
	42	sto 5744		sto fcc1a
	43	cla	fcc4r,	cla
	44	0	fcc1a,	0
	45	cyl		cyl
	46	0	fcc1b,	0
	47	cyl		cyl
	50	0	fcc1c,	0
	51	com		com
	52	0	fcc2,	0
	53	trn 6034		trn fcc3
	54	cla	fcc4,	cla
	55	add 5752		add fcc2
	56	add 7373		add char+41
	57	sto 5752		sto fcc2
	60	add 7411		add char+57
	61	trn 5743		trn fcc4r
	62	cla		cla
	63	sto 5644		sto ls1
	64	add 6337	fnc,	add pnt0
	65	sto 5772		sto fnc2
6	66	cla		cla
	67	0	fnc1,	0
5	70	trn 6007		trn fnc6
	71	com		com
	72	0	fnc2,	0
	73	trn 6051		trn fnc3
3	74	cla	fnc4,	cla
	75	add 5772		add fnc2
2	76	add 7773		add 7773
	77	sto 5772		sto fnc2

		UT3	
6000	add 7604		add -numstore-7-ad
1	trn 5766		trn fnc1-1
2	cla		cla
3	add 5724		add i2a
4	com		com
5	add 5767		add fnc1
6	trn 6522		trn error
7	cla	fnc6,	cla
10	add 5767		add fnc1
11	sto 5724		sto i2a
12	cla	fnc5,	cla
13	add 5621		add e3
14	trn 6073		trn fncm
15	add 5644		add ls1
16	add 7777		add 7777
17	sto 7777		sto 7777
20	clc		clc
21	trn 5724		trn i2a
22	cyl	ipm,	cyl
23	trn 6025		trn im
24	cla		cla
25	sto 5621	im,	sto e3
26	cla		cla
27	add 5724	ip2,	add i2a
30	add 7773		add 7773
31	sto 5724		sto i2a
32	clc		clc
33	trn 5724		trn i2a
34	add 7773	fcc3,	add 7773
35	trn 5754		trn fcc4
36	add 5752		add fcc2
37	sto 6045		sto fcc3a
40	cla		cla
41	add 5744		add fcc1a
42	add 7773		add 7773
43	sto 5724		sto i2a
44	cla		cla
45	0	fcc3a,	0
46	sto 5644		sto ls1
47	clc		clc
50	trn 6012		trn fnc5
51	add 7773	fnc3,	add 7773
52	trn 5774		trn fnc4
53	add 5767		add fnc1
54	sto 5767		sto fnc1
55	cla		cla
56	add 5644		add ls1
57	cyl		3.cyl
60	cyl		.
61	cyl		.
62	sto 5644		sto ls1
63	cla		cla
64	add 5772		add fnc2
65	add 7603		add -ad-numstore
66	trn 5764		trn fnc
67	add 5644		add ls1
70	sto 5644		sto ls1
71	clc		clc
72	trn 5764		trn fnc
73	cla	fncm,	cla
74	add 5644		add ls1
75	com		com
76	add 7777		add 7777
77	sto 7777		sto 7777

	6100	clc	UT3	clc
	1	trn 5724		trn i2a
	2	cla	s1,	cla
	3	add 7777		add 7777
	4	sto 6126		sto ca
	5	cla		cla
	6	sto 7256	equal,	sto owbp1
	7	add 7421		add char+67
	10	sto 6130		sto s4xt
	11	trn 6157		trn as2
	12	add 7420	s2,	add char+66
	13	pnc		pnc
	14	add 6642		add h6+3
	15	sto 6130		sto s4xt
	16	add 7602		add s3a-hark
	17	trn 5602		trn listen
	20	sto 6130	s3,	sto s4xt
	21	cla	s3a,	cla
	22	add 7415		add char+63
	23	trn 5720		trn interpret
	24	cla	s4,	cla
	25	add 7777		add 7777
	26	0	ca,	0
	27	clc		clc
	30	0	s4xt,	0
	31	add 7622	period,	add wordstore
	32	trn 6136	p2,	trn p1
	33	cla		cla
	34	add 6132		add p2
	35	trn 6120		trn s3
	36	add 6126	p1,	add ca
	37	add 7773		add 7773
	40	sto 6126		sto ca
	41	cla		cla
	42	add 7335		add char+3
	43	pna		pna
	44	add 7421		add char+67
	45	sto 6130	autoslash,	sto s4xt
	46	cla		cla
	47	sto 7256		sto owbp1
	50	add 6126		add ca
	51	sto 5724		sto i2a
	52	cla		cla
	53	add 7405	as6,	add char+53
	54	trn 6256		trn npr
	55	add 7370	as1,	add char+36 2
	56	pna		pna 1
	57	cla	as2,	cla
	60	add 6126		add ca
	61	add 7435		add comtable+3 (**)
	62	sto 6164		sto as3
	63	cla		cla
	64	0	as3,	0
	65	sto 5724		sto i2a
6	66	cla		cla
	67	add 7256		add owbp1
5	70	trn 6255		trn as4
	71	add 6130		add s4xt
	72	sto 6327	printer,	sto nprxt
	73	cla		cla
3	74	add 7473		add comtable+41
	75	sto 6235		sto mpr7
2	76	add 7601		add 4-op-24021
	77	sto 5772		sto fnc2

Line	Instruction	Register	Instruction	Register	Notes
6200	cla		cla		
1	add 7600		add ad+comtable+1		
2	sto 6206		sto mpr1		
3	cla		cla		
4	add 5724		add i2a		
5	opr 241		opr 241		
6	0		0		
7	trn 6242		trn mpr2		
10	cla		cla		
11	add 6206		add mpr1		
12	add 7373		add char+41		
13	sto 6206		sto mpr1		
14	add 7411		add char+57		
15	trn 6203		trn mpr3		
16	lac		lac		
17	opr 40031		opr 40031		
20	cyl		cyl		
21	opr 100231		opr 100231		trn 72
22	add 7401		add char+47		ell + 31
23	sto 6232		sto mpr5		add 7401
24	lac		lac		sto 6232
25	cyr		cyr		cpa
26	opr 640		opr 640		add i2a
27	add 5724		add i2a		pen
30	sto 5724		sto i2a		
31	cla		cla		
32	0		0		
33	pnt		2.pnt		
34	pnt		.		
35	0		0		
36	trn 6261		trn npr7		
37	add 7410		add char+56		space
40	pnc		pnc		
41	trn 6261		trn npr7		
42	add 7773		add 7773		
43	trn 6210		trn mpr4		
44	add 6206		add mpr1		
45	add 7413		add char+61		(-2)
46	sto 6250		sto mpr6		
47	cla		cla		
50	0		0		
51	pnt		2.pnt		
52	pnt		.		
53	pnc		pnc		
54	trn 6327		trn nprxt		
55	add 6130		add s4xt		
56	sto 6327		sto nprxt		
57	clc		clc		
60	sto 5772		sto fnc2		
61	sto 6045		sto fcc3a		
62	add 7425		add char+73		(-5)
63	sto 5767		sto fnc1		
64	cla		cla		
65	sto 5752		sto fcc2		
66	add 7413		add char+61		(-2)
67	opr 221		opr 221		
70	add 5752		add fcc2		
71	cyl		cyl		
72	sto 5752		sto fcc2		
73	cla		cla		
74	add 5724		add i2a		
75	trn 6330		trn npr1		
76	add 7342		add char+10		(-0)
77	trn 6337		trn pnt0		1

UT3

6300	cyl		npr6,	UT3	cyl
1	sto 5724				sto i2a
2	lae				lac
3	add 7773				add 7773
4	trn 6267				trn npr2
5	cla				cla
6	add 6045				add fcc3a
7	add 5752				add fcc2
10	trn 6323				trn npr3
11	add 6337				add pnt0
12	sto 6314				sto npr4
13	cla				cla
14	0		npr4,		0
15	pna				pna
16	sto 6045				sto fcc3a
17	add 7773				add 7773
20	add 5772				add fnc2
21	sto 5772				sto fnc2
22	cla				cla
23	add 5767 ✓		npr3,		add fnc1
24	add 7773				add 7773
25	trn 6263				trn npr5
26	clc				clc
27	0		nprxt,		0
30	cla		npr1,		cla
31	add 5752				add fcc2
32	add 7773				add 7773
33	sto 5752				sto fcc2
34	cla				cla
35	add 5724 ✓				add i2a
36	trn 6300				trn npr6
37	add 7274		pnt0,		add numstore
40	pnc				pnc
41	trn 6327				trn nprxt
42	add 7777		gt2,		add 7777
43	add 7437				add comtable+5
44	sto 6130				sto s4xt
45	trn 6127				trn s4xt-1
46	add 7577		goto,		add gt2+tn
47	sto 5725		nsrch,		sto ixt
50	cla				cla
51	0		ns1,		0
52	cyr				cyr
53	trn 6362				trn ns2
54	cla				cla
55	add 6351				add ns1
56	add 7773				add 7773
57	sto 6351				sto ns1
60	clc				clc
61	trn 6351				trn ns1
62	cla		ns2,		cla
63	add 6351				add ns1
64	sto 5724				sto i2a
65	clc				clc
66	trn 5721				trn i1
67	add 6410		surprise,		add sp00
70	sto 5630				sto e2
71	cla		srpt,		cla
72	add 7132				add h2a
73	sto 6545				sto spdn
74	add 5540				add k1
75	sto 6443				sto sp4a
76	sto 5621				sto e3
77	add 7773				add 7773

		UT3	
6400	sto 6436		sto sp4b
1	add 5541		add adm2
2	sto 6556		sto sp7b
3	clc		clc
4	trn 5620		trn e1
5	r3c	sp0,	r3c
6	trn 6413		trn sp1
7	opr 163061		opr 163061
10	trn 6405	sp00,	trn sp0
11	add 7773	sp5a,	add 7773
12	trn 6476		trn se
13	opr 163201	sp1,	opr 163201
14	sto 6440		sto sp4d
15	add 7435		add comtable+3
16	trn 6535		trn sp3m
17	sto 6432		sto sp2
20	sto 6435		sto sp4c
21	r3c		r3c
22	sto 5746		sto fcc1b
23	lad		lad
24	sto 5750		sto fcc1c
25	opr 163201	sp2a,	opr 163201
26	add 5750		add fcc1c
27	sto 5750		sto fcc1c
30	lac		lac
31	com		com
32	0	sp2,	0
33	trn 6462		trn sp5
34	cla	sp4,	cla
35	0	sp4c,	0
36	0	sp4b,	0
37	lac		lac
100 40	0	sp4d,	0
41	cla		cla
42	add 6440		add sp4d
43	0	sp4a,	0
44	cla		cla
45	add 7373		add char+41
46	add 6443		add sp4a
47	sto 6443		sto sp4a
50	add 7773		add 7773
51	sto 6436		sto sp4b
52	add 5542		add limit
53	trn 6461		trn sp5b
54	add 5543		add k2
55	sto 5630		sto e2
56	add 5544		add k3
57	sto 6545		sto spdN
60	trn 6535		trn sp3m
61	cla	sp5b,	cla
62	add 7773	sp5,	add 7773
63	trn 6434		trn sp4
64	add 6432		add sp2
65	sto 6432		sto sp2
66	sto 6435		sto sp4c
67	add 7336		add char+4
5 70	sto 6440		sto sp4d
71	add 5746		add fcc1b
72	trn 6425		trn sp2a
73	r3c		r3c
3 74	add 5750		add fcc1c
75	trn 6411		trn sp5a
2 76	cla	se,	cla
77	add 7757		add 7757

		UT3	
6500	sto 6507		sto se3
1	sto 6503		sto se1
2	cla	se2,	cla
3	0	se1,	0
4	trn 6512		trn se5
5	sto 6510		sto se4
6	cla		cla
7	0	se3,	0
10	0	se4,	0
11	cla		cla
12	add 6507	se5,	add se3
13	add 7413		add char+61
14	sto 6507		sto se3
15	add 7423		add char+71
16	sto 6503		sto se1
17	com		com
20	add 5666		add cr6
21	trn 6502		trn se2
22	cla	error,	cla
23	add 7576		add 460210
24	pnt		pnt
25	prt		prt
26	pnt		pnt
27	opr 24031		opr 24031
30	pnc		pnc
31	trn 5603		trn ls5a
32	add 7377	sp7d,	add char+45
33	opr 24031		opr 24031
34	pna		pna
35	cla	sp3m,	cla
36	add 7773	sp3c,	add 7773
37	add 6556		add sp7b
40	sto 6544		sto sp3a
41	add 7773		add 7773
42	sto 6556		sto sp7b
43	cla	sp3,	cla
44	0	sp3a,	0
45	0	spdn,	0
46	sto 5724		sto i2a
47	add 7435		add comtable+3
50	sto 6566		sto sp7e
51	cla		cla
52	add 7575		add tn+sp7a
53	trn 6256		trn npr
54	add 7370	sp7a,	add char+36
55	pna		pna
56	0	sp7b,	0
57	sto 5724		sto i2a
60	cla		cla
61	add 7574		add tn+sp7c
62	trn 6172		trn printer
63	add 7377	sp7c,	add char+45
64	pnt		pnt
65	pna		pna
66	0	sp7e,	0
67	sto 5724		sto i2a
70	cla		cla
71	add 7573		add tn+sp7d
72	trn 6172		trn printer
73	sto 5677	word,	sto cr1
74	add 7572		add ad+wordstore+4
75	sto 5724		sto i2a
76	add 7571		add ad+f2a-wordstore
77	trn 5720		trn interpret

	6600	cla	address,	UT3	cla
	1	sto 5677			sto cr1
	2	add 7570			add tn+f2a
	3	trn 6347			trn nsrch
	4	sto 6164	f2a,		sto as3
	5	sto 6126			sto ca
	6	sto 5644			sto ls1
	7	add 7435			add comtable+3
	10	sto 6612			sto finder
	11	cla	f2,		cla
	12	0	finder,		0
	13	opr 221			opr 221
	14	add 5677			add cr1
	15	trn 6625			trn f3
	16	lac			lac
	17	opr 40600			opr 40600
	20	cyr			2.cyr
	21	cyr			.
	22	opr 40031			opr 40031
	23	cyl			2.cyl
	24	cyl			.
	25	add 7777	f3,		add 7777
	26	opr 72			opr 72
	27	add 7342			add char+10
	30	trn 6643			trn f4
	31	cla	f6,		cla
	32	add 6612			add finder
	33	add 7773			add 7773
	34	sto 6612			sto finder
	35	add 7333			add char+1
	36	trn 6611			trn #2
	37	cla	h6,		cla
	40	add 7335			add char+3
	41	pnc			pnc
	42	trn 5600			trn hark
	43	add 7773	f4,		add 7773
	44	trn 6631			trn f6
	45	add 6612			add finder
	46	add 7567			add -ad-1
	47	sto 6126			sto ca
	50	cla			cla
	51	add 7566			add tn+f5
	52	trn 6145			trn autoslash
	53	add 7335	f5,		add char+3
	54	pnc			pnc
	55	sto 5724			sto i2a
	56	trn 6631			trn f6
	57	cla	pntv,		cla
	60	sto 6545	pnth,		sto spdn
	61	add 7371			add char+37
	62	trn 6347			trn nsrch
	63	add 7332	pt1,		add char
	64	pnt			pnt
	65	pna			pna
6	66	add 7777			add 7777
	67	sto 6432			sto sp2
5	70	cla			cla
	71	add 7565			add tn+last
	72	trn 5602			trn listen
	73	add 7417	last,		add char+65
3	74	trn 6347			trn nsrch
	75	add 7374	lt1,		add char+42
2	76	opr 24640			opr 24640
	77	pna			pna

6700	add 7777		DT3	add 7777
1	sto 6436			sto sp4b
2	clc			clc
3	trn 5600			trn hark
4	cla		instructions,	cla
5	sto 7256		constants,	sto owbp1
6	cla			cla
7	add 6545			add spdn
10	trn 7073			trn h
11	add 6432		v,	add sp2
12	cyl			3.cyl
13	cyl			.
14	cyl			.
15	opr 40600			opr 40600
16	cyr			2.cyr
17	cyr			.
20	sto 6544			sto sp3a
21	cla		page,	cla
22	add 7410			add char+56
23	pnt			pnt
24	opr 24031			opr 24031
25	pnt			pnt
26	pna			pna
27	add 6544			add sp3a
30	sto 5724			sto i2a
31	cla			cla
32	add 7564			add tn+pg1
33	trn 6256			trn npr
34	add 7420		pg1,	add char+66
35	prt			3.prt
36	prt			.
37	prt			.
40	pna			pna
41	add 6544			add sp3a
42	add 7563			add 100
43	sto 7223			sto nir1
44	sto 5724			sto i2a
45	sto 6556			sto sp7b
46	cla			cla
47	add 7562			add tn+v2
50	trn 6256			trn npr
51	cla		v2,	cla
52	add 7335			add char+3 cr
53	pna			pna
54	add 6544			add sp3a
55	sto 6126			sto ca
56	com			com
57	add 6432			add sp2
60	sto 6612			sto finder at start?
61	trn 7016			trn v2a yes
62	cla		v3,	cla
63	add 6436			add sp4b
64	com			com second column used?
65	add 7223			add nir1
66	trn 7031			trn rtp yes
67	cla		v4,	cla
70	add 6544			add sp3a at end?
71	com			com
72	add 6436			add sp4b
73	trn 6637			trn h6 yes
74	cla	index up	v5,	cla
75	add 7223	both		add nir1
76	add 7773			add 7773
77	sto 7223			sto nir1

Line	Instruction	Label	Instruction
7000	add 7352		add char+20 ~100
1	sto 6544		sto sp3a
2	com		com
3	add 6556		add sp7b
4	com		com
5	trn 6751		trn v2
6	add 7223	v7,	add nir1 <small>end of page</small>
7	sto 6544		sto sp3a
10	opr 221		opr 221
11	add 6436		add sp4b
12	opr 72		opr 72
13	trn 6721		trn page
14	clc		clc
15	trn 6637		trn h6
16	cla	v2a,	cla
17	add 7561		add tn+v1
20	trn 7047		trn as5
21	add 5772	v1,	add fnc2
22	add 7425		add char+73
23	com		com
24	trn 6762		trn v3
25	cla		cla
26	add 7420		add char+66
27	pnc		pnc
30	trn 6762		trn v3
31	cla	rtp,	cla
32	add 7420		add char+66
33	prt		prt
34	opr 24221		opr 24221
35	add 6612		add finder
36	trn 7042		trn rtp1
37	lac		lac
40	prt		prt
41	prt		prt
42	cla	rtp1,	cla
43	add 7223		add nir1
44	sto 6126		sto ca
45	cla		cla
46	add 7560		add tn+v5
47	sto 6130	as5,	sto s4xt <small>return after print</small>
50	cla		cla
51	add 7420		add char+66
52	pna		pna
53	add 6126		add ca
54	opr 100031		opr 100031
55	cyl		2.cyl
56	cyl		.
57	opr 100600		opr 100600
60	cyr		2.cyr
61	cyr		.
62	sto 5724		sto i2a
63	add 7427		add char+75
64	trn 7067		trn asp
65	clc		clc
66	trn 6153		trn as6
67	cla	asp,	cla
70	add 7410		add char+56
71	pnc		pnc
72	trn 6153		trn as6
73	cla	h,	cla
74	add 6432		add sp2
75	shr		3.shr
76	shr		.
77	shr		.

	7100	cyl	UT3	3.cyl
	1	cyl		.
	2	cyl		.
	3	sto 6544		sto sp3a
	4	cla	line,	cla
	5	add 7335		add char+3
	6	pna		pna
	7	add 6544		add sp3a
	10	sto 5724		sto i2a
	11	add 7334		add char+2
	12	sto 6566		sto sp7e
	13	cla		cla
	14	add 7557		add tn+h4
	15	trn 6256		trn npr
	16	add 7370	h4,	add char+36
	17	pna.		pna
	20	add 7420	h1,	add char+66
	21	pna		pna
	22	add 6544		add sp3a
	23	com		com
	24	add 6432		add sp2
	25	trn 7143		trn hzpt
	26	cla	h2,	cla
	27	add 6544		add sp3a
	30	opr 241		opr 241
	31	add 6436		add sp4b
	32	trn 6637	h2a,	trn h6
	33	lac		lac
	34	add 7773		add 7773
	35	sto 6544		sto sp3a
	36	com		com
	37	add 6566		add sp7e
	40	trn 7104		trn line
	41	clc		clc
	42	trn 7120		trn h1
	43	cla	hzpt,	cla
	44	add 7161		add hzpt2
	45	sto 6235		sto mpr7
	46	add 7556		add tn+h2-op-140040
	47	sto 6327		sto nprxt
	50	add 7555		add ad-tn-h2
	51	add 6544		add sp3a
	52	sto 7154		sto hzpt1
	53	cla		cla
	54	0	hzpt1,	0
	55	sto 5724		sto i2a
	56	cla		cla
	57	add 7256		add owbp1
	60	trn 6261		trn npr7
	61	clc	hzpt2,	clc
	62	trn 6200		trn mpr0
	63	add 7554	punch,	add tn+pc1
	64	trn 6347		trn nsrch
	65	add 7332	pc1,	add char
6	66	pnt		pnt
	67	pna		pna
5	70	add 7777		add 7777
	71	sto 6432		sto sp2
	72	cla		cla
	73	add 7553		add tn+pc
3	74	trn 5602		trn listen
	75	add 7552	pc,	add tn+pc2
2	76	trn 6347		trn nsrch
	77	add 7273	pc2,	add ip4

7200	sto 7246	nir,	473	sto nirxt
1	p6s			p6s
2	add 6432			add sp2
3	p7h			2.p7h
4	p7h			.
5	p7a			p7a
6	add 7777			add 7777
7	com			com
10	sto 6436			sto sp4b
11	p7h			2.p7h
12	p7h			.
13	opr 27031			opr 27031
14	cyl			cyl
15	add 6432			add sp2
16	sto 5750			sto fcc1c
17	add 7777	nir3,		add 7777
20	add 7435			add comtable+3
21	sto 7223			sto nir1
22	cla	nir2,		cla
23	0	nir1,		0
24	p7h			2.p7h
25	p7h			.
26	opr 27031			opr 27031
27	cyl			cyl
30	add 5750			add fcc1c
31	sto 5750			sto fcc1c
32	cla			cla
33	add 7223			add nir1
34	add 7773			add 7773
35	add 7336			add char+4
36	add 6436			add sp4b
37	trn 7217			trn nir3
40	p6s			p6s
41	add 5750			add fcc1c
42	com			com
43	p7h			2.p7h
44	p7h			.
45	opr 27061			opr 27061
46	0	nirxt,		0
47	add 7551	input,		add 7742+ad
50	sto 7256			sto owbp1
51	add 7333			add char+1
52	add 7360	ip3,		add char+26
53	p7h			2.p7h
54	p7h			.
55	p7a			p7a
56	0	owbp1,		0
57	p7h			2.p7h
60	p7h			.
61	p7a			p7a
62	add 7256			add owbp1
63	add 7773			add 7773
64	sto 7256			sto owbp1
65	add 7333			add char+1
66	trn 7252			trn ip3
67	add 7550			add tn+7743
70	p7h			2.p7h
71	p7h			.
72	opr 27061			opr 27061
73	trn 5571	ip4,		trn feed
74	111110	numstore,		111110
75	10101			10101
76	1111			1111
77	111			111

7300	1011	UT3	1011
1	10011		10011
2	11011		11011
3	10111		10111
4	747567	dr,	-30210
5	trn 6600		trn address
6	747657	rd,	-30120
7	trn 6573		trn word
10	565477	rp,	-212300
11	trn 6367		trn surprise
12	457777	to,	-320000
13	trn 6346		trn goto
14	757467	ar,	-20310
15	trn 5561		trn startat
16	455577	tv,	-322200
17	trn 6657		trn pntv
20	475777	th,	-302000
21	trn 6660		trn pnth
22	764757	ns,	-13020
23	trn 6705		trn constants
24	744577	nc,	-33200
25	trn 7163		trn punch
26	674457	pu,	-103320
27	trn 7247		trn input
30	576767	st,	-201010
31	trn 6704		trn instructions
32	320000	char,	320000
33	570001		-ad-7776
34	10		10
35	101001		101001
36	577777		-ad
37	trn 5717		trn slash
40	110		110
41	111		111
42	777777		-0
43	trn 6106		trn equal
44	1010		1010
45	1011		1011
46	1100		1100
47	200001		200001
50	1110		1110
51	1111		1111
52	777677		-100
53	trn 6131		trn period
54	10010		10010
55	10011		10011
56	10100		10100
57	10101		10101
60	7776		7776
61	10111		10111
62	11000		11000
63	trn 5545		trn comma
64	11010		11010
65	11011		11011
66	11100		11100
67	300001		300001
70	101		101
71	406663		tn+pt1
72	100000		100000
73	2		2
74	664756		664756
75	trn 5571		trn feed
76	100100		100100
77	650602		650602

7400 100110

UT3

100110

1 207432

ad+comtable

2 101000

101000^a

3 500000

500000

4 101010

101010

5 406155

tn+as1

6 101100

101100

7 406102

tn+s1

10 203002

203002

11 570230

-ad-comtable-115

12 110000

110000 ^o

13 777775

-2

14 110010

110010 ^b

15 406124

tn+s4

16 110100

110100

17 406675

tn+lt1

20 100101

100101

21 406112

tn+s2

22 111000

111000

23 777776

-1

24 540000

540000

25 777772

-5

26 111100

111100

27 777770

-7

30 111110

111110

31 770036

-7741

32 641010

comtable,

641010

33 sto

sto

34 60170

60170

35 add

add

36 164200

164200

37 trn

trn

add

40 352600

352600

41 opr

opr

3

42 211740

211740

43 cla

cla

trn

44 613520

613520

45 cyl

cyl

tra

46 253520

253520

47 cyr

cyr

opr

50 255700

255700

51 cle

cle

52 16250

16250

53 dis

dis

54 225140

225140

55 ios

ios

56 525322

525322

57 p7h

p7h

60 527122

527122

61 p6h

p6h

62 127162

127162

63 p6s

p6s

64 523100

523100

65 pnt

pnt

66 121762

121762

67 p7a

p7a

70 123562

123562

71 p6a

p6a

72 123540

123540

73 pna

pna

74 32560

32560

75 rfa

rfa

76 432520

432520

77 rfl

rfl

UT3

7500 72520
 1 r1r
 2 54722
 3 r3c
 4 74702
 5 r1c
 6 430702
 7 r1l
 10 70702
 11 r1r
 12 144720
 13 lac
 14 240710
 15 alr
 16 342340
 17 lpd
 20 560300
 21 lro
 22 140360
 23 lad
 24 144620
 25 tac
 26 360420
 27 tbr
 30 675100
 31 com
 32 243410
 33 shr
 34 701200
 35 hlt
 36 611700
 37 cll
 40 251700
 41 clr
 42 167500
 43 pne
 44 411720
 45 cal
 46 521300
 47 prt

72520
 r1r
 54722
 r3c
 74702
 r1c
 430702
 r1l
 70702
 r1r
 144720
 lac
 240710
 alr
 342340
 lpd
 560300
 lro
 140360
 lad
 144620
 tac
 360420
 tbr
 675100
 com
 243410
 shr
 701200
 hlt
 611700
 cll
 251700
 clr
 167500
 pne
 411720
 cal
 521300
 prt

7622
 200000
 400000
 600000

wordstore=7622
 ad=200000
 tn=400000
 op=600000

(constants)

7550 407743
 51 207742
 52 407177
 53 407175
 54 407165
 55 570651
 56 447065
 57 407116
 5 60 406774
 61 407021
 62 406751
 63 100
 3 64 406734
 65 406673
 2 66 406653
 67 577776
 70 406604

MISC

tn+7743
 7742+ad
 tn+pc2
 tn+pc
 tn+pc1
 ad-tn-h2
 tn+h2-op-140040
 tn+h4
 tn+v5
 tn+v1
 tn+v2
 100
 tn+pg1
 tn+last
 tn+f5
 -ad-1
 tn+f2a

15	71	176756		073	ad+f2a-wordstore-4
	72	207626			ad+wordstore+4
	73	406532			tn+sp7d
	74	406563			tn+sp7c
	75	406554			tn+sp7a
	76	460210			460210
	77	406342			gt2+tn

	7600	207433			ad+comtable+1
	1	153762			4-op-24021
	2	321			s3a-hark
	3	570503			-ad-numstore
	4	570474			-numstore-7-ad
	5	570447			-ad-st
	6	607531			ad+char-377600
	7	401776			401776
	10	177462			-wordstore+dr+ad
	11	405563			tn+st1

5600 | | hark |

6

5

3

2

Corr. to U.T.3 for tra

i2a=5724

6200

cla
add i2a
trn b
ala
add 6404
tra a3+3
b, ala
add 7600
tra a3+3
op1, lac
add 6703
trn a3
sto i2a

| add 7543

| add 7433

cla
add 7015
tra a6+1
a3, cla
add 7373
add a1
sto a1
add 7423
sto a6
lac+40

| +2

| -1

a1, 0
com
trn a3
add 7342
sto i2a
trn a6-1
cla
add a1
add a8
trn op1

| -0

a6, 0
pnt
pnt
pna
add i2a
trn 6327
a7, cla
trn 6261
add 7410
pnc
trn 6261

| npxt
gate - pnt
npx7
flexu space

5652

a8, -add-7533

5651 tra 5631
7411 570226

6374 add 6366

7145 sto a7

7601 4-cla

5540 tra 5600

5564 add 7545

C 7220 add 7545

FORM 901 PRINTED BY THE STANDARD REGISTER CO. DAYTON 1, OHIO, U. S. A.

6607| add 7545
 6547| add 7545
 6415| add 7545
 6161| add 7545
 5714| add 7545
 6343| add 7541
 6174| add 6173
 sto a7
 7014| tra 6637
 flex op1
 6702| tra 5600
 77777
 6403| tra 5620
 add 7543
 6365| tra 5721
 trn 762
 6020| tra 6100
 trn 7743
 6032| tra 6100
 add 7742
 7267| add 6021
 7247| add 6033

| comtable - binary values listed in decreasing num. value

7432|
 flex p6s
 p6s
 flex r3c
 r3c
 flex r1r
 r1r
 flex r1c
 r1c.
 flex cal
 cal
 flex clc
 clc
 flex tbr
 tbr
 flex lac
 lac
 flex lal lal=cla+12
 lal
 flex tac
 tac
 flex cla
 cla
 flex cll
 cll
 flex clr
 clr
 flex hlt
 hlt
 flex p7h
 p7h
 flex p7a
 p7a
 flex pnt
 pnt
 flex pna
 pna
 flex dip
 dip dip=dis+100

FORM 901 PRINTED BY THE STANDARD REGISTER CO., DAYTON 1, OHIO, U. S. A.

flex dsa
dsa
flex dis
dis
flex cyr
cyr
flex shr
shr
flex ala
ala
flex alr
alr
flex lro
lro
flex cpa
cpa cpa=opr 121
flex pen
pen pen=opr 100
flex com
com
flex lad
lad
flex cyl
cyl
flex lpd
lpd
flex cry
cry cry=opr 12
flex opr
opr
flex tra
tra tra=500000
flex trn
trn
flex llr
llr llr=300000
flex add
add
flex slr
slr slr=100000
flex sto
sto

start 5600