i i i i i i i i i i i i i i i i i i i	Ò					6
		Zx	Start	Confirm	Pts. stored at Hex $7,000 = 28,672$ decimal.	<u>o</u>
	(1 6 7		Constinue	Exit	Bour Lors String Descriptor Fontine START: Select Start twice to begin.	C
The state of the s	8 9 9 10		Intubit		CONTINUE: Differs from START in that it does not re-initialise pointers is just	C
And the second s	(12 13 14 (15 16		Close	End	continue from where one has exited.	· · · · ·
And the second s	17 18 19 26				change display screen, colours etc. Use CONTINNE to carry on from where existed.	(
ted No. Squarestorial	73 73 (2) 24 28				(NH1877; Set Inhibit display bit in byte 2.) Always reset after confirmin	C .
Private Privat	26 ② 27 23 29 ③ 30				NEWLINE: Set Newline bit in byte 2. I which are treated as defautts (CLOSE: Closes the current boundary.	() ()
Commence and the commen	37 32 (33 34				END! Finishes off by inserting header of length (byte no.)	(
	38 37 38 (3) 39					0
	40 41 41 42 43					() Transmission
	(3 45 66 67 (3 48					()
And the second s	50 (*\ 51 52 50					()
	C) 64 55 76					0
A PROPERTY OF THE PROPERTY OF	06 US (^(h) 00					Ö.

Page 1 06/16/81	1.D1GTT2.TXT		4		
	Southw	west Technical Products Mo			
		Version 3.2:3 of 01/10)/80		
		IMPORTANT NOTE			
	documentation as occurs Products Corporation spe incurred or generated the right to choose or r	as been made to make thate and functional as ecifically disclaims any make the by such material. South revise this material at a	responsibility for any	damages	
	notify any person of suc	ch changes or revisions.			
ASS 1: SYMBOL TABLE	a B				
PASS 2: CODE GENERAT	TION.				

	<u> </u>		<u></u>		

v •			•
Page 2 06/16/81 1.DIG	SIT2.TXT		
Page 2 06/16/81 1.DIG	J. 1 & a 1 A 1		
	A. p. p.		
	3 EQU'S AN	D FCB'S	
E004 E005	5. <u>ACIAC EGU \$EOO</u> 6. ACIAD EGU ACIA	ACIA CONTROL REG.	
E.000		A CALL AND AND AND A STATE OF THE STATE OF T	
	8 n n n		
	10, " FLEX ALDS		
CDOF	12. OUTCH EQU \$CDO		
CD15 CD4E	14. STAT EQU SCD4	CHECK KEYBU, STATUS	
CD03	15. WARMS EQU SCDO	3 WARM START.	
	17 18 ASCII CHAR.		
	1.9 и	LINE-FEED.	
0000 0000	21. CR EQU SOD	CARRIAGE-RETURN.	
001B 003D	22. ESC EQU \$1B 23. EQSIGN EQU \$3D	ESCAPE CHAR. EQUAL SIGN.	· · · · · · · · · · · · · · · · · · ·
002B 002B	24. PLUS EQU \$2B 25. MINUS EQU \$2D	PLUS SIGN. MINUS SIGN.	
V02D	ZÓ a s		
6000	27 28. ORG \$600		
	29 a a a		
6000 7E 62 32	31. ENTRY JMP STAR 32		
6003	33. RMB 50	FOR LOAD PROGRAM	
<u> </u>	34		
6035	36. DVCNT RMB 1 37. DVEND RMB 2	DIVISION COUNT(BITS NO. IN DVEND) DIVIDEND	
6038	38. DVSOR RMB 1 39. QUOT RMB 2	DIVISOR QUOTIENT	· · · · · · · · · · · · · · · · · · ·
6039 603B 00	40. REMC FCB 0	AID FOR 16-BIT ARITHMETIC	
603C	41 REMD RMB 1 42 a	USING THIS REMAINDER.	
603D	43. MXTEM RMB 2	TEMP. VAK. FOR MULTIPLY RTS.	
	45 TEST ONLY		
603F 00	46. *SDCMD FCB O		
6040 00 00 6042 00 00	48. SDLEN FDB 0 49. TOPX FDB 0		
6044 00 00	50. FSTAD FDB 0 51. FSTBY FCB 0		
6046 00 6047 00	52. CLOSEF FCB 0		· · · · · · · · · · · · · · · · · · ·
6048 00 6049 00	53. STARTE FCB 0 54. ENDE FCB 0		
6Q4A 00	55. GOTPT FCB O		

58 <u>-</u>	Contract to the contract of the state of the	521 / CEQSEE 531 STARTE	Fra o		7.00		0 1	
60	6049 00 604A 00	55. COTPL	FCB 0				_	
Ca.	The Control of the Co						(Y)	
							<i>(**)</i>	
	-	•		•				
1 2							- (°)	
(b) 1	Page 3 06/16/81	1.DIGIT2.TXT					 يىلىن	
							- ()	
7	604B 00	56. CONFM 57. INHBF	FCB 0				- - , _'	
8'-	6040 00 6040 00		FCB O				_	
10	604E 00	59. SDCOLF	FCB 0					
1	604F 00		FCB 0				- / .	
1.5	6050 00 6051 00 00		FDB O					
14	6053 00 00	63. PREVY	FDB 0					5.
-2v/2	6055 00	64, ALTF 65, PTSF	FCB 0					•
16 -	6056 00	66. NLINE	FCB O NEW L	INE FLAG				
# 1 xx =	6057 00 6058 00	67. LINEF	FCB 0	EXIT TO FLEX, TTX FLAG				:
· 19 _	6059 00	68. TTXF 69. BOXF	FCB ()	FLAG FOR DIAMOND BOX				1
20 20 -	605A 00	69. BOXF 70. CLRFL		FLAG FOR CLEAR SCREEN COMMA	NI).			
****21 <u>~</u>	605B 00 00 00	71. YVAL1	FDB ()	STOKE PREV. VALUE			 ,	
93	605E 00 00	72. XVAL1	FDB 0	RESET PIXEL :BLACK				
)	6060 00	73. PXRSE 74. POFF	FCB ()					
91. 98.	6061 00 6062 00	75. PXBYT	FCB ()	NEW PIXEL BYTE.				
1837 C	6063 00	76. TSCF	FCB 0			•		
233	6064 00	77. <u>REPTF</u> 78	FCB O					
() A AO	6065 80	79. COLOU	FCB \$80	COLOUR FOR PIXEL: INIT. RED CURRENT SCREEN WRITE: 0-61,1	=G2 -1=G1&G2			
3,-	6066 00	80. SRNF	FCB ()	INIT. COLOR FOR G1: RED	See dead of the see of			
99	6067 80	81. COLOR 82. COLOR	FCB \$80 FCB \$40	INIT, COLOR FOR 62: GREEN				
▼ ± 33 3d	6068 40 E000	83. 018A	EQU \$E000	GI START ADDRESS				
35.	FFF	84. G16A	EQU SFFFF EQU \$8000	G1 END ADDRESS G2 START ADDRESS			, ·	
() (a	8000	85. G28A 86. G26A	EQU \$9FFF	62 END ADDRESS	7.5.91			
₹7/ 	9FFF 8000	87. GSA	EQU \$8000	GRAPHICS SCREEN START ADDRESS	: 55 a		,	
€3 as	9FFF	88. GEA	EQU \$9FFF	GRAPHICS SCREEN END ADDRESS	J B			
Øý.		89 90. SSA	EQU \$7000				;	
03 /	7000 70F5	91. SEA	EQU \$70F5					
A.4	7 77 72	92	RMB 2			,		
44 / 1/4 / 1	6069	93. SPTR 94. XMAX	CONT. TOO	= 240x(4/3)			·	
46 46	0140	95		i.e.X×(DSCALE/XSCALE)				
Ç2	OOCD	96. YMAX 97	EQU 205	BORDER STAND				
(") 48	P. A. 75"9	68" CWD2	EQU 215	START OF COMMAND AREA				
7.0	00D7 00A0	99. XHALF	EQU 160				()	
\$ " \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	0067	100. YHALF 101 E	TALE E XSCAL	E/DSCALE CO-ORDS. SCALE FACTOR				
\2 	0002	102. XSCAL	E EQU 3	RCALE NUMERATUR :MULTIPLT DT			_ 0	
53 1 1 1	0003	1.03. DSCAL	E EQU 4	SCALL DENOMINATOR :DIVIDE BY.				
35	0002	104. DSCAL	H EQU 2	HALF OF DSCALE. ROUND OUF TO L.S.B =(DSCALE/XSCA	LE)x5	-	0	
ე(- 4	0007	105. RNOFF 106. *	PAN /					
68		107	111. 100 (1) 2 a Mr. E Mr.	PHYSICAL SCALE NUMERATOR			O	
69	WVI V	108. XPHYS 109. DPHYS	C EQU 240 ! C EQU 165 !	PHYSICAL SCALE DENOMINATOR				
C) 60	00A5 AAE''		H EQU 83	HALF OF DPHYSS			<u></u>	

Page 4 06/16/81 1.J	DIGIT2.TXT		
	111		
	1.12.	a	
00F0	113.		OF PIXELS ACROSS, G(240)
OOCC		YPXNO EQU 204 NO.	OF PIXELS DOWN.
	115.	18	
	116	XMIT FCB ESC	NOT USED.
606B 1B 606C 3D	117. 118.	FCB EQSIGN	NOT USED
606C 3D 606D 00 00		XVAL FCB 0,0	X-CO-ORD,
606F 00 00		YVAL FCB 0,0	Y-CO-ORD.
6071 2A		SYMB FCC "*"	NOT USED
6072		XMITE EQU *	NOT USED
	123.	H .	
	124.	JPTR RMB 2	
6072		JPTR RMB 2 PPTR RMB 2	
<u>6074</u> 6076		PSA EQU *	
6076	128.	RMB 400	
6206	129.	PEA EQU *	
		ч	
	131.	Property Spring Property 275	BFR POINTER
6206		BPTR RMB 2 BST EQU *	BFR AREA FUR INCOMING DGTISED
6208	133.	RMB 15	POINTS.
6208	1, 2, 2, 1	# TYTE TO ST.	
6217 52 45 41 44 59		READY FCC "READY"	PRINTS READY
621C		READYE EQU *	
	138.	11	
	139.	H FINE PLACE CY	X-TIMES TEMP.
621C	140	XTEM RMB 2 XTENS FCB 100,10,1	X-TIMES VALUES.
621E 64 0A 01	141	XTENSE EQU *	
6221	143.	11	
	144.	п	
	145.	. FLAGS & VARIABLES	FOR PXLINE
	146	#	-VE X FLAG
6221 00	147	XNEG FCB 0 YNEG FCB 0	-VE X FLAG
6222 00	148. 149.	YNEG FCB 0 XYSWAP FCB 0	SWAP X,Y FLAG
6223 00 6224 00 00	150.	XSUB FDB O	(X1-X0)
6226 00 00	151.	YSUB FDB O	(Y1-Y0)
6228 00 00	152.	XO FUB O	1ST X-COORD
622A 00 00	153.	YO FDB O	1ST Y-COORD
622C 00 00	154.	X1 FDB O	2ND X-COORD 2ND Y-COORD
622E 00 00	155. 156.	Y1 FDB O	ATAM 1 PARAMETER
4030 00 00	1.57.	RADIUS FDB 0	CIRCLE RADIUS
6230 00 00	158.	et .	
0012	159.	SWI18N EQU 18	SOFT-WARE INTRP. NO. 18 INPUT F1 & DISPLAY G1(240) & G2(240)
6002	160.	SWI18B EQU \$6002	THEOR AT B. WORKING CO.
	161.	START JMP DOZTST	
6232 7E 62 E0	162. 163.		
and the second s	4 C C A	" INITIALISE ACIA	PERC

	A THEFT THE TOWN	,	
Page 5 06/16/81	1.DIGIT2.TXI		
	166. I	VITR RTS	
6235 39	167.	LDA #530	
6236 86 30	168.	STA ACIAC	MASTER RESET.
6238 B7 E0 04	1.69,	LDA #\$11	TATA CHOCK DIVINE RATIO, KIS = LUW,
623B 86 11	170.	STA ACIAC	7 B+ODD PRTY+2 STOU B,XMIT INT. DIS.
623D B7 E0 04	171	RTS	
6240 39	1.72,	17.1 %	
		GET A NUMERIC CHA	RACTER .
		What it Warring to be	
	175	LICH BSR SIGN	CHECK FOR SIGN CHAR
6241 17 00 2D		BRA GETCHS	
6244 16 00 17	177 <u> </u>	ETCHO BSK INCH	
6247 17 00 1F	179.	CMPA #\$20	
6240 81 20	180.	BEG GETCH	
624C 27 F3	181.	CMPA *CR	
624E 81 0D	182.	BEQ GETCHE	
6250 10 27 00 14	183. G	ETCH3 CMPA #\$30	
6254 81 30	184.	BLT GETCHO	IGNOKE NON
6256 2D EF	195.	CMPA #\$39	
6258 81 39	186.	BGT GETCHO	NUMERIC CHARS.
625A 2E EB	187.	SUBA #\$30	MINUS OFFSET OF ASCII O
625C 80 30	188. 6	ETCHS LOX BETR	SET POINTER
625E BE 62 06	189.	STA 0,X+	STORE NUMBER
6261 A7 80	190.	STX BFTR	SAVE POINTER
6263 BF 62 06	171.	BRA GETCHO	
6266 20 DF	192. (SLTCHE EQU *	IGNORE *LF CHAX.
6268	1.73.	RTS	
6268 39	194.		
h 40 € /45, top gas	195.	NCH SWI	
6269 3F	196.	FCB 57	
626A 39	197.	TSTA	
<u>626B 4D </u>	198.	BEG INCH	
626C 27 FB	199.	ANDA #\$7F	
626E 84 7F 6270 39	200.	RTS	
6279 37	201 "		
	202.	1	
6271 8D F6		SIGN BSR INCH	
6273 81 28	204.	CMPA *PLUS	
6275 10 27 00 07	205.	BEG SIGN1	
6279 81 2D	206.	CMPA *MINUS	
627B . 26 F4	207.	BNE SIGN	
6270 86 80	208.	LDA #580	
627F 39	209.	RTS	
Not the C 2 has C	210.	st.	
6280 4F		SIGNI CLRA	
6281 39	212.	RYS	
No. 840-326, 241 495 5	213.	ir .	
	214.	12	
	215.	n .	
	216.	Ħ	TAITT OPPATED
6282 8E 62 08		INPTR LDX #BST	INIT. POINTER TO START OF BUFFER AREA.
6285 BF 62 06	218.	STX BFTR	naily DIERT OF DUITER OFFICE
6288 80 B7	219.	BSR GETCH	GO GET CO-ORDS.
628A BE 62 04	220.	LDX_B*TR	

	-			
	•			
Page 6 06/16/81 1.DIC	GIT2.TXT			
628D 8C 62 12	221.	CMPX *BST+10	CHECK FOR EXACTLY 10 VALUES	
6290 26 F0	*3*3**)	BNE INPTR		
6292 BE 62 08	2237 2237	LDX #BST	CHECK SIGNS : 4 * "	
6295 A6 84	224.	LDA O.X BMI INPTR	MINUS IGNORE DATA.	
6297 28 E9	225 <u>.</u> 226 .	LDA 5,X		
6299 A6 05 629B 2B E5	227 .	BMI INPTR	",MINUS IGNORE DATA"	
6270 8E 62 09	228.	LDX #BST+1	TALLE FORE V	
62AO 17 00 OD	227 0	BSR MULX	GET DECIMAL VALUE FOR Y SAVE VALUE	
62A3 FD 60 6F	230	STD YVAL LDX *BST+6	OHVE VILUE	
62A6 8E 62 0E 62A9 17 00 04	271 a 272 a	BSR MULX	GET DECIMAL VALUE FOR X	
62A9 17 00 04 62AC FD 60 6D	25.52 St. 0	STD XVAL	SAVE VALUE	
62AF 39	234.	RTS		
	21) "y 12" 21. 13 14 11 11			
	236	·		
	237 a a	,		
62B0 7F 62 1C	239. MUL	X CLR XTEM	CLR TEMP. VARIABLES	~~~
6293 7F 62 10	240.	CLR XTEM+1	A STANCE ASSESSED ASSESSED	
6286 10 8E 62 1E	241.	LDY \$XTENS	GET X-TIMES ADDRESS GET CHAR.	
62BA A6 80		LDB 0,X+	GET X-TIMES VALUE	
62BC E6 A0	243. 244.	MUL	MULTIPLY TO GET DECIMAL	
62BE 3D 62 1C	OAS a	ADDD XTEM	ADD TO PKEV.	
62C2 FD 62 1C	246.	STD XTEM	SAVE	
62C5 10 8C 62 21	247.	CMPY #XTENSE	DONE ? NOELSE	
62C9 25 EF	248.	BLO MULXO	" GET LAST CHAR.	
62CB A6 84	<u>249.</u> 250.	CMPA *RNOFF		
62CD 81 07 62CF 10 2D 00 09	2) E 4 2) E 4 2) E 4	BLT MULX1		
6203 FC 62 1C	252.	LOD XTEM	201010 M C 1161 Hr.	
6206 C3 00 01	China Aliana aliana	ADDD \$1	AND ROUND OLF VALUE.	
62D9 FD 62 1C	254.	STD XTEM		
620C FC 62 1C	255. MU 256.	LX1 LDD XTEM		
62DF 39	257			
	258			
	2,537 a a	展展展展展展展展展展展展展展展展展展展展展展展展展展展展展展展展展展展展	. 死还是是我是我我我我就是我我就是我就是我就是我的人们	
	Au 16 17 11	并并并并并并并并并并并并不	KAKKKKAAAA	
	261	TEST PROGRAM FO	R DIGITISER	
	263			
62E0	264. DG	ZTST EQU *		
62E0 3F	265.	GMT mms 4.4	SWITCH TO MEMORY MAP 2	
62E1 2C	266.	FCB 44 LDD #SWI18B	LOAD SWI PARAMETER.	
62E2 CC 60 02	267. 268.	SWI		
62E5 3F 62E6 12	269.	FCB SWI18N	PERFORM SWI 18.	
62E7 7F 60 60	270.	CLR PXRSET	CLEAR PIXEL RESET FLAG CLEAR CLR SCREEN COMMAND FLAG	
62EA 7F 60 5B	271	CLR CLRFLG	CLEAR CLR SCREEN COMMIND FERGULES	
62ED 7F 60 5A	272.	CLR BOXF CLR TTXF	CLEAR EXIT TO FLEX FLAG	
62F0 7F 60 59	<u>273.</u> 274.	CLR TSCF		
62F3 7F 60 63 62F6 7F 60 64	27 m	CLR REPTE		•

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Page	7 06/16/81	1.DIGIT2.TXT		
<u> 62F9</u>	7F 60 66	276,	CLR SKNF	
	7F 60 56 7F 60 61		CLR PTSF	
OKTT	/r ov ol	278 a	CLR POFF	
		279., 280.,	<u>!t</u>	
6302	BD 62 82		DGZTO JSR INPTR	GET CO-ORDS, RETURNS IN DECIMAL
	FC 60 6D	282.	LDD XVAL	CHECK X BOUNDS,
8086	10 83 01 40	283	CMPD *XMA>	
630C	2E F4	284.,	BGT DGZTO	
	FC 60 6F	285.	LDD YVAL	
	10 83 00 CD	286	CMPD #YMAX	X CHECK IF Y>=YMAX, IF SO
	10 20 00 09	287.	BLT DZ2	
	10 83 00 D7 2D E3	700 n	CMPO SCMDE	
	ZU E3 7E 65 1F	287	BLT DGZTO	NTS OF TO FINANCIALLY CHEENE LATER
	BD 63 3C	290. 291. 1	<u>JMP COMMAN</u> DZ2 JSR DGZT1	ND GO TO COMMAND CHECK-LIST. WRITE TO SCREEN
	20 DB	272 n	BRA DGZTO	WILLE IN DAMEEN
		293. ,	#31NF1 #303# F.V	
		294.	r	
	:	295.	·····	
		296	" SCALE VALUE J	IN D BY XCALE/DSCALE
6327			SCALXY EQU *	
	34 06	298.	PSHS D	
	58	279.	ASLB	
	49 E3 E1	300	ROLA	
·	<u>es el </u>	301. 302.	ADDD ,S++ LSRA	
	56	303.	RDRB	
	44	304	LSKA	
	56	305.	RORB	
	10 24 00 03	306	BCC SCALX4	A T
	C3 00 01	307.	ADOD \$1	
	FD 60 39	308. 8	SCALX4 STD QUOT	
633B	39	309.	RTS	
·		310 n n	1	
- 		311 a a 312 a a	~ -	
		313, .		
		314	·	
			DISPLAY PIXEL	ON/OFF
		316		
633C		317. D	GZT1 EQU #	
	BD 63 43	318.	JSR SCALC	
	BD 63 63	317.	JSR SCREEN	
6342	39	320.	RTS	
		721 u a 721 u a		
		"y 1") "9	~	
6343 1	FC 60 6D	324, 9	CALC LDD XVAL	
	BD 63 27	5735 T 11 57 5745 H 5735 H	JSR SCALXY	SCALE X-VALUE
	FD 60 6D ·	326.	STD XVAL	we weet Backar 18 - VII be Malac
634C I	FD 60 5E	327.	STD XVAL1	
	FC 60 6F	328	LDD YVAL	
6352)	BD 64 5B	329.	JSR M40	MUL. BY 40 TO GET FIXEL BYTE ADDR.
	34 06	330.	PSHS D	SAVE IT IN D.

· Ø					
		.v.			
0					.5.00=(
=					()
(*) 	Page 8 06/16/81	1.DIGIT2.TXT			
					()
	6357 FC 60 6D	331.	LDD XVAL	DIVIDE BY 6 (NO ROUNDING OFF WANTED!!)	165
	635A BD 64 CO	332	JSR DIV6 LDD QUOT		٤٠,١
A Section	635D FC 60 39	333. 334.	ADDD .S++	ADD X-BYTE OFFSET TO PIXEL	!
	6360 E3 E1 6362 39	333.	RTS		O
(°)	0.204 97	336	u u		W.Chris
		337	<u>n</u>		(()) E
,		<u>338.</u> 339.	SCREEN EQU *		19.9
	<u>6363</u> 6363 7D 60 <u>66</u>	340.	TST SKNF		
-	6366 10 26 00 3F	341	BNE SCREN2		\bigcirc
<i>,</i>	636A 34 06	342.	SCRENO PSHS D		
	636C B6 60 67	343.	LDA COLORI STA COLOUR		<i>(</i> (-)
,	636F B7 60 65	<u>344.</u> 345.	FULS D		_N -E
\$	6372 35 06 6374 8E EO 00	346.	LDX #G1SA		
-	6374 8E EU UU 6377 10 8E FF FF	347.	LDY #G1EA		4)
-	637B 17 00 71	348.	BSR USCREN		
	637E 7D 60 55	349 a	TST ALTF BEQ SCREN1		% }
	6381 10 27 00 23	350. 351.	TST SRNF		Pauge.
	6385 7D 60 66 6388 10 27 00 1C	352.	BEQ SCRENI		
-	638C 7D 60 61	353	TST POFF		4)
1	638F 10 27 00 15	354.	BEQ SCRENI		
	6393 34 02	355.	PSHS A EXG D,X		4.)
`	6395 1E 01	356. 357.	SUBD #\$6000		¥·
)	6397 83 60 00 639A 1E 01	358.	EXG D,X		
:	6390 35 02	359	PULS A		4.3
<i>\$</i> .	639E 84 3F	360.	ANDA #53F		
	63AO BB 60 68	361.	ADDA COLOR2 STA 0,X		ر ا
	63A3 A7 84	362. 363.	CLR POFF		
	63AS 7F 60 61 63A8 39		SCRENI RTS		
-		365.			ر)
8	63A9 10 28 00 39	366.	SCRENZ BMI SCREN4		3277
•	63AD 34 06	367. 368.	SCRENZ PSHS D LDA COLOR2		(, [‡]
, .	63AF B6 60 68 63B2 B7 60 65	<u>aab.</u> 369.	STA COLOUR		
	6382 87 60 65 6385 35 06	370.	PULS D		ř
	6387 8E 80 00	371.	LDX #G2SA		(,
	63BA 10 8E 9F FF	372	LDY *62EA BSR WSCREN		
ŧ	63BE 17 00 2E	373. 374.	TST ALTE		ن)
	63C1 70 60 55 63C4 27 E2	<u>3/9.</u> 375.	BEQ SCRENI		
	6304 27 E2 6306 70 60 66	376.	TST SRNF		<i>t</i> .
	6309 2A DD	377.	BFL SCRENI		فينا
, :	63CB 7D 60 61	378.	TST POFF BEQ SCREN1		
	63CE 27 D8	379. 380.	PSHS A		. (<u>)</u>
	6300 34 02	381.	EXC D ₂ X		
	63D2 11 01 63D4 C3 60 00	302	ADDD *\$6000		d v
	6304 C3 60 00 6307 1E 01	303.	EXG D,X		Ø
1	6309 35 02	384	PULS A		

630B 84 3F	785.	ANDA #53F		
<u>, New Market Are Are "T. Mark</u>	. અને પેટેકને સ	, prepare a meant		9
				,
			•	(%)
				14°
<u>Page 9 06/16/81 :</u>	L.DIGIT2.TXT			
		1		
	over, j	A 75 V. A. 12 (2) 1 75 1 1 1	·	
63DU BB 60 67 63EO A7 84	386. 387.	ADDA COLOKI STA 0.X		Page 1
63E2 7F 60 61	388	CLR POFF		()
63E5 39	389	RTS		
63E6 34 06	<u>390. </u>	CRENA PSHS D		(3)
63E8 80 80	392.	BSK SCRENO		
63EA 35 06	393.	PULS D		0
63EC 8D BF 63EE 39	<u> </u>	BSR SCRENZ RTS		
5. F. Sell book box 50 5	376	15 1 57		(A)
	397			
ZZEE ZA AZ	378 379. W	SCREN PSHS D	BYTE ADDRESS & SAVE IT.	
63EF 34 06 1 1 63F1 86 20	₩ 400°	LDA \$\$20		O O
63F3 F6 60 3C	401.	LDB REMD	SET-UP PIXEL POS. TO BE SWITCHED	
63F6 10 27 00 04	402.	BEO ZZ	ON/OFF.	0,
<u>63FA 44</u> 63FB 5A	<u>403. 2</u> 404.	I LSRA DECB		
63FC 26 FC	405	BNE Z1		
63FE BB 60 65	406, Z	2 ADDA COLOUR	ADD IN THE COLOUR	
<u>6401 B7 60 62</u> 6404 35 06		STA PXBYTE PULS D	SAVE BYTE STATUS GET ADDRESS OFFSET	
6406 34 10	409.	PSHS X	GET SCREEN START ADDRESS	
6408 30 8B	410.	LEAX D,X	GET THE SCREEN BYTE ADDRESS	
640A AC E1 640C 10 25 00 31	411.	CMPX ,S++ BLO ZX	CHECK THAT ADDRESS IS VALID FOR THE GRAPHICS SCREEN	0
6410 34 20	413,	PSHS Y		
6412 AC E1	414,	CMPX ,S++	CHOSEN CURRENTLY.	O
6414 10 22 00 29	415 416.	BH1 ZX LDA PXBYTE	EXIT IF INVALID. GET BYTE	
6418 B6 60 62 641B 7D 60 60		21 TST PXRSET	TEST FOR BLACK	0
641E 10 27 00 0A	418.	BEQ Z3		
6422 84 3F	419	ANDA *\$3F COMA	YES, PRESERVE CURRENT PIXELS STATUSES	
6424 43 6425 A4 84	42V	ANDA O,X	& COLOUR, AND	C
6427 AZ 84	422.	STA 0,X	SWITCH PIXEL CONCERNED OFF.	
6429 16 00 15	423. 424. Z	BRA ZX	NOT BLACK :	<u> </u>
642C E6 84 642E 34 04	424., Z 425.,	3 LDB O,X PSMS B	135J 1 AJL: FUSIA K	
6430 C4 C0	426	ANDB \$\$CO	MASK TO GET COLCUR BITS	
6432 F1 60 65	427	CMSB COTOR	= CURRENT COLOUR ?	
6435 35 04 6437 10 26 00 0A	428. 429.	PULS B BNE Z5	NO, SWITCH ALL OTHER PIXELS OFF.	
GMAZ IV ZO VV VH	430		YES PRESERVE CURRENT PIXELS STATUSES	Q
6438 34 04	431.	PSHS B	SAVE B	
643D AA EO	432., 433., Z	ORA ,S+ 4 STA O,X	ADD IN SAME COLOUR & TURN PIXEL CONCERNED ON.	0
643F A7 84 6441 7F 60 61	433. Z 434. Z	X CLR POFF	MCMCF SMC 66 CATS In Act (MCFS II)	
6444 39	436.	RTS		
7 A A12 "78" 7 A 7 H	436 437. Z	5 TST POFF		
6445 70 60 61 6448 26 F5	437., Z 439.	BNE Z4		
644A 7C 60 61	439	INC POFF		0
6440 A7 84	440.	STA O,X		

<u>Page 10 06/16/81 1</u>	.DIGIT2.TXT_		
	D A d	RTS	
644F 39	441. 442.	, K16	
	443.	4	
	444.	<u>u</u>	
	AAC .	h	
	<u>446.</u> 447.	n'	
	448.	" MULTIPLY (D) BY 5	
6430 34 04	449.	M5 PSHS B	
6452 34 02	450.	•PSHS A	
6454 58	<u> 451. </u>	ASLB	
6455 49	452,	ROLA X2	
6456 58 6457 49	453. 454.	ROLA ×4	
6458 E3 E1	455.	ADDD ,S++	x5
645A 39	456.	RTS ·	
	457.		
	458. 459.		
		" MULTIPLY (D) BY 40	
	461.	. RESULT IN A:B	
6459 34 04	462.	M40 PSHS B	
645D 34 02	463.	PSHS A	
645F 58	464 n	ASLB ROLA	×2
6460 49 6461 58	465. 466.	ASLB	P. Co.
6461 58 6462 49	467.	ROLA	×4
6463 E3 E1	468.	ADDD ,S++	x5
6445 58	469.	ASLB	A D
6466 <u>49</u>	470	ROLA ASLB	×10
6467 58 6468 49	471 472	ROLA	×20
6468 49 6469 58	473.	ASLB	
646A 49	474.	ROLA	x40
646B 39	. 475.	RTS	
	476 477	н	
	<u>4//,</u> 478.	" MULTIPLY (D) BY 8	10
	479.	n	
646C 8D ED	480.	M80 BSR M40	×4()
646E 58	481	ASLB	×80
643F 49	482. 483.	ROLA RTS	AQV
6470 39	484.	17.1 td	
	485.	а	
	486.	. DIVIDES 16-BIT NO.	BY AN 8-BIT ONE
	. 487.	. DVEND/DVSOR = QUOT	tkenu .
2.4914	488. 489.	DIVIDE EQU *	
6471 6471 7F 60 3B	487	CTE SEWC	
6471 7F 60 3B 6474 7F 60 3C	491.	CLR REMD	
6477 B6 60 38	492.	LDA DVSOR	
647A 10 27 00 38	493.	BEQ DIVZ	DIVISOR = 0

0 Poge 11 06/16/81 6482 B7 60 35 STA DVCNT SET DIVIDEND BIT NO. CLRA 6485_AF 497. 34 02 498. SET DVSOK INTO PSHS A 6486 6488 10 AE E1 LDY S++ Y REGISTER 648B 78 60 37 500. DiVi ASL DVEND+1 SHIFT LEFT DIVIDEND INTO CARRY 648É 79 60 36 501. ROL DVEND (WHICH ACTS AS THE QUOTIENT ALSO) ROTATE WITH CANRY LLFT THE 502. ROL REMD 6491 79 60 3C 6494 79 60 3B 503. ROL REMC REMAINDER. <u>6497 FC 60 38</u> LDD REMC 504. 649A 34 20 505. PSHS Y IS REMAINDER >= DIVISOR..? CMPD ,S++ 10 A3 E1 10 25 00 0A 507. BCS DIVCHK 649F YES, SUBTRACT DIVISOR 508. PSES Y 6463 34 20 FROM IT. SUBD ,S++ 64A5 A3 E1 SAVE IN REMC, REMD. 6467 ED 60 3B STD REMC INC DVEND+1 INCREMENT QUOTIENT 64AA 7C 60 37 511. 7A 60 35 512. DIVOME DEC DVONT DECK. SHIFT COUNT 64AD DONE ? NO, ... 6480 26 D9 ENE DIVI 513. 6482 BE 60 36 514. LDX DVEND 64B5 BF 60 39 515. STX QUOT YES, SAVE QUOTIENT 516. RTS 64B8 39 517. . DIVZ IS BRANCHED TO IF DIVISOR = 0 DIVZ EQU * 6489 520. 8E 00 00 LDX #0000 6489 521. ZERO QUOTIENT STX QUOT 64BC BF 60 39 RTS 64BF 39 . DIVISION BY SIX (D)=DIVIDEND . 11 NO ROUNDING OFF WANTED 1111 () 528. SET DIVIDENDA 64CO FD 60 36 529. DIV6 STD DVEND 530. LDA #6 & DIVISOR 64C3 86 06 STA DVSOR 531. 64C5 B7 60 38 GO DIVIDE 64C8 8D A7 BSR DIVIDE DIV6X RTS 64CA 39 533. 534. 535. DIVISION BY 20 DLC. 536. 537 .. SET DIVIDEND, 538. D:V20 SID DVEND 64CB FD 60 36 64CE 86 14 LDA #20 6400 B7 60 39 540. STA DVSOR & DIVISOR 64D3 8D 9C BSR DIVIDE DO DIVISION 541. DIV20X RTS 64D5 39 ET A CY 543. . DIVISION BY 165 DEC. (D)=DIVIDEND USED TO SCALE VALUES TO SREEN PHYSICAL SIZE. 546. 64D6 FD 60 36 547. DVPXL STD DVEND SET DIVIDEND 86 A5 LDA #165 6409 B7 60 38 549. & DIVISOR 6408 STA DVSOR 64DE 8D 91 550. BSR DIVIDE

mart to the server . . .

Page 12 06/16/81	I_DIGIT2aJXI	
64EO FC 60 3B	551. LDD REMC GET REMAINDER	
64E3 10 83 00 53	552. CMPD #83	
<u> 64E7 10 2D 00 05 </u>	553. BLT DVPXLX AND ROUND OFF VALUE	
64EB 30 01	554. INXX-REG HAS QUOT ON RTS	
64ED BF 60 39 64F0 39	555. STX QUOT 556. DVPXLX RTS	
04rV 37	556. DVPXLX RTS 557	
	#####################################	
	559 MULTIPLYS D BY 240.RESULT IN D	
	560	
64F1 FC 60 6F	561. MXFXL LDD YVAL	
64F4 BD 64 6C	562. JSK M80 x80	
64F7 34 06	563. PSHS D	
64F9 58	564. ASLB	
64FA 49 64FB E3 L1	565.	
64FD 39	567. RTS	
u- # 1 40 346 /	500	
	569	
	570	
	571.	
	572	-
7 A pro pro - 129 pro	573 WRITE TO SCREEN : CHAR IN A	<u> </u>
64FE 3F 64FF 05	574. ZOUTCH SWI 575. FCB 5	
6500 39	576. RTS	
to be by the total	1810 1979 1977 1	
	578	
	579. ·	
6501 CC 20 00	580. DG1 LDD \$\$2000 DISP. G1	· · · · · · · · · · · · · · · · · · ·
6504 16 00 0F	581. BRA DGXX	
6507 CC 00 02	582. DG2 LDD \$\$0002 DISP. G2 583. BRA DUXX	
650A 16 00 09 650D CC 20 02	583. BRA DGXX 584. DG1G2P LDD #\$2002 DISP. G1 & G2 P.	
6510 16 00 03	585. BRA DGXX	
6313 CC 60 02	586. DG1G2M LDD #\$6002 DISP. G1 & G2 MIX.	
6516 7F 60 56	587. DGXX CLR PTSF	
6319 7F 60 5B	588. CLR CLRFLG	
651C 3F	589. SWI	
651D 12	590. FCB 18	
651E 39	591. RTS	
	592 593	
	594	
	595 COMMANDS OF MENU LIST	
000C	596. CMAX EQU 12 CURRENT NO. OF COMMANDS PRESENT.	
	597	
651F	598. COMMAND EQU *	
451F FC 60 6D	599. CNDO LDD XVAL	
6522 BD 64 CB	600. JSR DIV20 DIVIDE BY 20	
<u>6525 FC 60 39</u> 6528 C1 0C	601. LDD QUOT 602. CMPB #CMAX TO GET COMMAND TYPE	
652A 10 2D 00 5C	602. CMPB *CMAX TO GET COMMAND TYPE 603. BLT CMUI	

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6530 20 2E 00 91

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() 3	Page 13 06/16/8:	1.DIGIT2.TXT			,
4					
- 6					***
/ -	6534 BD 65 3A	606.	JSK CM1		
3 ()) 9	6537 7E 63 02	607	JMP DGZTO		9
16		609			100 - 100 -
11 -	653A 10 BE 60 6F	610. CM1_	LIDY YVAL		()
	653E 10 8C 00 EB	611. 612.	CMPY #235 BGT CM4		3
1/4	6542 10 2E 00 12 6546 C1 OC	613	CMPB \$12		
A : _	6548 10 2E 00 06	614.	BGT_CM2		17
16	654C BD 65 01	615.	<u>JSK DG1</u> BRA CJ		
()	654F 16 00 37 6552 BD 65 07	616. 617. CM2	JSK DG2		0
	6555 16 00 31	618.	BRA CS		
<u> 20 -</u>	6558 10 8C 00 FF	619. CM4	CHPY #255		()
₩*** <u> </u>	655C 10 2E 00 12 6560 C1 0C	620. 621.	BGT CM6 CMPB #12		*
23	6562 10 26 00 06	(22)	BGT CM5		1.4
() 14 <u> </u>	6566 BD 65 0D	623	JSR DG1G2P		
25 — 26	6569 16 00 1D 6560 BD 65 13	624. 625. CMS	DRA C5 JSK DG102M	•	
o#-	656F 16 00 17	626	BRA C5		()
72	4572 70 60 5B	627. CK6	TST CLRFLG	GO CLEAR SCREEN IF VALUE >=CMAX .	
- 20 (#50	6575 10 26 00 06 6579 F7 60 5B	628., 629.,	BNE CO STB CLRFLG	& THE CLEAR COMMAND WAS ROSED TWICE. FIRST TIME, SET FLAG.	(p)
3°	6570 16 00 0A	630	BRA C5		
,,	657F 4F	631. CO	CLRA	SECOND TIME,	- (*)
() 33	6580 B7 60 5B	632	STA CLRFLS STA PTSF	CLEAR FLAG &	
75	<u>6583 B7 60 56</u> 6386 BB 66 50	633. 634.	JSR CLR240	DO SCREEN CLEAR	
() on <u> </u>	6589 39	635. C5	RTS		ί)
		636			the latest of th
() n ~		637			(y
.(6)	658A 30 8D 00 09	639. CMD1		CR GET COMMAND TABLE ADDRESS	
	658E 4F	640.	CLRA	DOUBLE B TO GET OFFSET TO ADDRESS	
197	6586 58 6590 AD 9B	641	ASLB JSR ED,XJ	PERFORM COMMAND	
44	6592 25 8B	643.	BCS CMDO	HAS HIT COMMAND AREA REPEAT.	(ř
() <u> </u>	6594 7E 63 02	644	JMP DGZTO	RETURN FOR NEXT.	(A)
40 40		645 646			
_) 40 <u> </u>			BLE OF COMMANDS	or MCNUS	Ĵį:
98		648.	s program was a source	12 pm / 12 pm / 12 mm / 12 pm / 12 mm / 12 pm / 12 mm / 12 pm / 12	
→ 55 =	6597 65 E2 6599 66 1B	649. CMDTB 650.	L FDB BLACK FDB BLUE	RESET PIXEL SET BLUE PIXEL	
,	659B 66 20	651 =	FDB GREEN	SET GREEN PIXEL	
93	659D 66 25	652.,	FDB RED	SET RED PIXEL	<u> </u>
Ø ™ 	659F 66 2A	653	FDB WHITE FDB TSCP	SET WHITE PIXEL	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
95 [4]	63A1 6A 55 65A3 6A 75	654 n 655 n	FDB-REPEAT		Λ.
⊘ ∵	65A5 68 8D	636	FDB PPOINT	SWITCH ON/OFF PIXEL	O
	65A7 66 7F	657 «	FDB PXLINE	DRAW A "PIXEL" LINE DRAW A "PIXEL" CIRCLE	***************************************
@	<u>65A9 69 51</u> 65AB 6A 47	<u>658.</u> 659.	FDB PXCIR FDB DIAMND	DRAW DIAMONDS.	0
	63AD 65 AF	660	FOR BASIC	SXIT TO BASIC	· · · · · · · · · · · · · · · · · · ·

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	Page 14 06/16/81 1.DI	GIT2.TXT		
		661.		
		662		
	65AF	663. 664.	BASIC EQU *	
	65AF 3F	665.	SWI	
	65B0 2B 65B1 32 62	666. 667.	FCB 43 SWITCH TO MAP 1 LEAS 2.S	
	65B3 39	668.	RTS	
,		<u>669.</u> 670.	u .	
•		671.	п	
	6584 7F 60 5B	672	TTX80 CLR CLRFLG	
	65B7 7F 60 5A 65BA 7F 60 56	<u>673.</u> 674.	CLR BOXF CLR PISF	
	65BD 86 01	675.	1.DA #1	
	65BF B7 60 59 65C2 1C FE	<u>676.</u> 677.	STA TTXF ANDCC #\$FE CLEAK CARRY	
	65C4 39	678.	RTS	
		679 . 700	н	
	6503 10 BE 60 6F	680". 	TTX80W LDY YVAL	
	45C9 10 8C 01 27	682.	CMPY #295	
	65CD 10 2E 00 06 65D1 BD 6B 02	683. 684.	BGT TTX80X JSR SDLINE	
	6504 7E 63 02	<u>084.</u> 685.	JOK DULINE, JMP DGZTO	
	·	686.	n .	
	65D7 7F 60 59 65DA CC 1E 18	<u>687.</u> 	TTX80X CLR TTXF LDD #\$1E18 SET TTX80 WHITE ON RED BKGRN.	 -
	65DD 3F	687.	MATTER OF LAND MILE OF THE PROPERTY.	
	<u>650£ 12</u>	690.	FCB 18	
	65DF 7E CD 03	971 °	JMP \$CDO3 EXIT TO FLEX	
		<u>693.</u>		
	·	<u>694.</u> 695.	п	
	65E2	696.	BLACK EQU *	
	6562 FC 60 6F	697.	LDD YVAL	
	65E5 10 83 00 FF 65E9 10 2D 00 0C	<u>678.</u>	NT RIKI	
	65ED 10 83 01 18	700.	8LKO CMPD \$280	
	65F1 10 2E 00 12 65F3 4F	701.	BGT BLK3	
	65F6 16 00 02	702. 703.	BRA BLK2	
,	65F9 86 01	/ \/ 4 n	privit mild at	
	65FB B7 60 60 65FE 7F 60 56	705. 706.	BLK2 STA PXRSET SET PIXEL KESET FLAG BLKX CLR PTSF	
	6601 7F 60 5B	/07.	UER CERFEG - UEEAR UER SUREEN UND FLAG	
	6604 1C FE	708.	ANTITI WEEK THE AREAR TIGHTY	
	6606 39	709. 710.	RTS	
	6607 10 83 01 27	710. 711. 712.	BUK3 CMPD #295	
	660B 10 2E 00 05 660F 7F 60 55	712. 713.	ar ar arminer.	
	6612 20 EA	714.	BRA BLKX	
	6614 86 01	715.	PLK4 LDA *1	

,	6614 86 01	715.	BLK4 LDA 31	
1				
				· · · · · · · · · · · · · · · · · · ·
4 3	Page 15 06/16/81	1.DIGIT2.TXT		
) ;> 				
3	6616 B7 60 55 6619 20 E3	716.	STA ALTF BRA BLKX	
9	W 1st die g das 30° tem bet	718.	8 8	
, ,	/ /) T1	720.		
, 3 	661B 86 00 661D 16 00 0C		BLUE LOA *\$00 BRA SCOLOR	
		724.	п	
·· ?	6620 86 40 6622 16 00 07	<u>725.</u> 726.	GREEN LDA #\$40 BRA SCOLOR	
3		727.		
,	6625 86 80 6627 16 00 02	729. 730.	RED LDA \$\$80 BRA SCOLOR	
·	10 10 Ea 2 2 A3 37 37 A2 A3	731. 732.	R .	
·	662A 86 CO	733	WHITE LDA #\$CO	
		734. 735.	8 8	
	662C 34 02	736. 737.	SCOLOR EQU * STORE SLLECTED COLOUR PSHS A	
	662E FC 60 6F 6631 10 83 00 FF	738. 739.	LDD YVAL	
	6635 35 02 6637 10 2E 00 06	740. 741.	CMPD #255 PULS A BGT SCOL2	
	663B B7 60 67 663E 16 00 03	742. 743.	SCOLI STA COLORI BRA SCOL3	
	6641 B7 60 68	744	SCOL2 STA COLOR2 SCOL3 CLR PXRSET CLEAR PIXEL RESET FLAG	
	6644 7F 60 60 6647 7F 60 5B	745 746.	CLR CLRFLG AND THE CLR SCREEN CMD FLAG	
	664A 7F 60 56 664D 1C FE	747 748	CLR PTSF ANDCC #SFE CLEAR CARRY	· · · · · · · · · · · · · · · · · · ·
	664F 39 .	749. 750.	RTS	
		751 752	. CLEARS THE G1(240) OR G2(240) ,OR BOTH SCREENS	
	6650 6650 3F	753 754	CLR240 EQU *	
	6651 13 6652 85 20	755. 756.	FCB 19 BITA #\$20	
	6654 10 27 00 03 6658 17 00 0A	757. 758.	BEQ CLR20 BSR CLRG1	
	665B CS 02	759	CLR20 BITB #\$02	
	665D 10 27 00 03 6661 17 00 0F	760. 761.	BEG CLR22 BSR CLRG2	
	6664 39	762. 763.	CLR22 RTS	
	6665 4F	764 765	CLRG1 CLRA	
	6666 8E EO OO	766 767	LDX &G1SA	
	666B 8C FF FF 666E 25 F9	768. 769.	CMPX *G1EA : : : : : : : : : : : : : : : : : : :	
	6670 A7 84	770,	STA VX	

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5672 39	771. 772.	RTS	
	772. 773.	at .	
6673 4F	774.	CLRG2 CLRA	
6674 8E 80 00		LDX *62SA CLRG2X STA ,X+	
6677 A7 80 6679 8C 9F FF		CMPX \$G2EA	
667C 23 F9	778.	BLS CLRG2X	
867t 39	779 780	RTS	
	781.	и	
	782.	. PIXEL LINE DRAWIN	G RUUTINE
667F 7F 60 5B	783	PXLINE CLR CLRFLG	CLEAR CLR SCREEN CMD FLAG
6682 7F 60 56	785.	CLR PT9F	· · _ · _ · _ · _ · _ · _ · _ · _ ·
4485 7F 40 57	<u>786.</u> 787.	CLR NLINE LDD YVAL	
6688 FC 60 6F 6688 10 83 00 FF		CMPD \$255	
668F 10 20 00 05	789.	BLT PXL2	
5693 86 01	790 <u>.</u> 791.	LDA #1 STA NLINE	
6695 B7 60 57 6698 BD 67 93	792.	PXL2 JSR ONESET	GO GET ONE SET OF CO-ORDS. INTO X,Y REGS.
669B BD 66 EF	793.	JSR SCALN STX X0	SAVE XO
669E BF 62 28 66A1 10 BF 62 2A	794. 795.	STY YO	SAVE YO
66A5 BD 63 63	796.	JSK SCREEN	DISPLAY FOINT
66A8 BD 67 93	797. 798.	PXL3 JSR ONESET JSR SCALN	GET ANOTHER SET OF CO-ORDS.
66AB BD 66 EF 66AE BF 62 2C	799.	STX X1	SAVE X1
66B1 10 BF 62 2E	800"	STY Y1	SAVE Y1
66BS BD 63 63	801. 802.	JSR SCREEN JSR WLINE	DISPLAY POINT DO LINE DRAWING
66B8 BD 67 14 66BB 7D 60 57	803.	TST NLINE	CHECK FOR NEW LINE
66BE 26 D8	804.	BNE PXL2	
66CO 7D 60 63 66C3 26 E3	805. 806.	TST TSCF BNE PXL3	
6605 70 60 64	807.	PXL4 TST REPTE	
66C8 10 27 00 15		BEQ FXL5 JSR ONESET	
66CC BD 67 93 66CF BD 66 EF	809. 810.	JSR SCALN	
66D2 BF 62 28	811.	STX XO	
66D5 10 BF 62 2A	812. 813.	STY YO JSR SCREEN	
66D9 BO 63 63 66DC BD 67 5F	814.	JSR VLINL	
66DF 20 E4	815.	BRA PXL.4	
66E1	816. 817.	PXL5 EQU * LDX X1	GET PREVIOUS SECOND CO-URDS.
66E1 BE 62 2C 66E4 BF 62 28	818.	STX XO	
66E7 BE 62 2E	819.	LDX Y1	AND MAKE IT CURRENT FIRST CO-OKDS.
66EA BF 62 2A 66ED 20 B9	820. 821.	STX YO BRA PXL3	REPEAT FOR NEXT CO-ORDS.

A district the second s	AJ ALTER III			
_66EF FC 60 6D	825. 8	CALM LDD XVAL		
				<u>-</u>
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66F2 BD 63 27	. 826.	JSR SCALXY	`	
66F5 FD 60 6D	827.	STD XVAL		
66F8 34 06	828.	PSHS D		
66FA FC 60 6F	029,	LDD YVAL		
66FD 34 06	830.	PSHS D		
<u>66FF</u> BD 64 5B	931.	JSR M40		
6702 34 06	832.	PSHS D		
6704 FC 60 6D	833	LDD XVAL		
6707 BD 64 CO	834.	JSR DIV6		
670A FC 60 39	835.	LDD QUOT		
670D E3 E1	836.	ADDD .S++		
670F 35 20	837.	PULS Y		
6711 35 10	838.	FULS X		
6713 39	839	RTS		
W 14 W 14 W 1	840	RIO		
	emple services and the service of th			
	941			
	842			
	843		CLEAR	
6714 7F 62 21		LINE CLR XNEG	-VE X FLAG,	
6717 7F 62 22	845.	CLR YNEG	-VE Y FLAG,	
671A 7F 62 23	846.	CLR XYSWAP	SWAP X,Y FLAG	
671D FC 62 2C	847.	LDD X1		
6720 B3 62 28	848	SUBD XO	I=X1-X0	
6723 10 2A 00 08	849.	BPL DL2		
6727 43	850.	COMA	-VE,	
6728 53	851.	COMB	GET 2'S COMPLEMENT	
6729 C3 OO O1	852 n	ADDD \$1		
672C 7C 62 21	853.	INC XNEG	SET -VE X FLAG	
672F F0 62 24		L2 STD XSUB	SAVE	
6732 FC 62 2E	957 a 15	LDD Y1	Mel 4 Y Inc	
6733 B3 62 2A	~		D=Y1-Y0	
	856	SUBD YO	₽	
6738 10 2A 00 08 .	857.	BPL UL4	117"	
673C 43	858.	COMA	-VE,	
6730 53	859	COMB	GET 2'S COMPLEMENT	
673E C3 00 Q1	860.	ADDD #1		
6741 7C 62 22	861.	INC YNEG	SET -VE Y FLAG	
6744 FU 62 26	862. D	L4 SID YSUB	SAVE	
6747 10 83 62 24	863.	CMPD XSUB	1S (Y1-Y0) > (X1-X0)	
674B 10 23 00 0C	864.	BLS DL6	N(I) y n n	
674F BE 62 24	845.	LDX XSUB	YES,	
6752 FD 62 24	866.	STD XSUB	SWAP X WITH Y	
6755 BF 62 26	867.	STX YSUB		
6758 7C 62 23	888.	INC XYSWAP	SET THE FLAG	
675B BD 67 5F			GET DO VECTORED DRAWING	
675E 39			MET TO ACCIONED TALLMERO	
WESTER OF	870.	RTS		
	871	-		
	072 a a	A Late and the late and the late		
		VECTOR DRAWING		
	874			
675F 8E 00 00	875. V	LINE LDX #\$00	INIT. X.	
	876.	LDY #\$00	INIT. Y.	
6762 10 8E 00 00				
6762 10 8E 00 00 6766 FC 62 24	877.	ron Xena	GLT (X1-X0)	
	877.	LDD XSUB	GLT (X1-X0)	
6766 FC 62 24				

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100	:				
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				man monten che MT	
	676C 53		COMB	2'S COMPLEMENT	
1	676D C3 00 01		ADDD \$1	THE VALUE.	11 - 175 - PI
	6770 BC 62 24		VLO CMPX XSU	UB FINAL POINT REACH	10.10
	6773 10 2E 00 1B		BGT VLX		
	<u>6777 7C 60 58</u>	885	INC LINE	er de de el fit offt)	TT ()
()	677A BD 68 13	886.	JSR PPLO		
1	677D 7F 60 58	897	CLR LINE		
	6780 F3 62 26	888.	ADDD YSU		
()	6783 30 01	889.	LEAX 1,X		
i i	6785 10 83 00 00	890	CMPD #0		
	6789 2F ES	891.	BLE VLO	NO,	()
	678B B3 62 24	892.	SUBD XSL		
	678E 31 21	893.	LEAY 1, Y		
	6790 20 DE	894.	BRA VLO	CONTINUE.	
()		895.	VLX RTS	come to go other digits	
	6792 39		VLX RTS	EXIT	
-		897.	а		()
(3		898.			
		899.	п		
· · · · · · · · · · · · · · · · · · ·		900.		THE TALL OF STREET	OURSES PETETEN OUT CARRY &
()			. RETURNS UNC	SET OF CO-ORDS : IF IN CON	AUGNO KENTRA DET PROVE M
		902	FERFURN	THE REQUIRED COMMAND.	
	6793 BD 62 82		ONESET JSR INPI	TR GET CO-ORDS.	٠,١
£3 ,	6796 BE 60 6D	904.	LDX XVAL		
	6799 8C 01 40	905.	CMPX 4XA		
τ.	679C 2E F5	906.	BGT DNES		
£ 3	679E 10 BE 60 6F	907,	LDY YUAL		
·	67A2 10 8C 00 CD	908.	CMPY \$YN		
; , a.	67A6 10 20 00 68	909.	BLT ONE)		
	67AA 10 8C 00 D7	910.	CMPY #C		
•	67AE 2D E3	911.	BLT ONES		
- i	67BO 16 10	912.	TFR X,D		· · · · · · · · · · · · · · · · · · ·
	67B2 BD 64 CB	913.	JSR DIV		
•.	67B5 FC 60 39	914	LDD QUO		
198	6788 10 27 00 16	915.	BEO ONE:		(0
, E.	67BC C1 05	916	CMPB #5		
***	67BE 10 2E 00 1A	917.	BOT ONES		
16	6702 10 27 00 11	918.	BEQ ONE		· ·
. O.	6706 CO Ol	919.	SUBB #1		
	6708 54	920.	LSRB		
	6709 56	721.	ROKB		(_{\$\vec{\varphi}\$}
1, 2	67CA 56	722.	RORB		
1,	67CB 1E 89	923.	EXG A, B		
•	67CD BD 66 2C	924.	JSR SCOL		<u> </u>
ŧ.	67DO 20 C1	925.	BRA ONES	Still	
	6702	926	ONE2 EQU #	. Actor	
0~*	67D2 BD 65 E2	927,	JSR BLAG		<u> </u>
بورو	67D5 20 BC	928,	BRA ONE:		
	67D7 BD 66 55	929.	ONE4 JSR TSCI		
	67DA 20 B7	930.	BRA ONES	·	
1,3	67DC C1 06	931	ONES CMPB #6		
	67DE 10 26 00 05	932.	BNE ONE		
	67E2 BD 6A 75	933.	JOK REPI		
i 🤝	67E5 20 AC	934.	BRA ONES	ISET	
		935.	u .		
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39 60	67E5	20 AC	934. 935.		BKA UNESET		
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4							17.3
) 6	67E7	C1 07	936.	ONE6	CMPB #7		,
9	67E9	10 26 00 10	937.		BNE ONE7		81.5
• • •	67ED.	FC 60 6F	938.		LDD YVAL		•
10	67F0	10 83 01 13	239.		CMPD #275		
	67F4	10 2E 00 05	940		BGT_ONE7		14
<u>}</u> 12: _	<u>67F8</u>	BO 98 BD	941.		JSR PPOINT		****
13 _	<u> </u>	20 96	742.		BRA ONESET		2002
A	, (i.	rya ryr	<u>943.</u> 944.	ONE7	CMPB #CMAX		(*) T
5 · · · · · · · · · · · · · · · · · · ·	<u>67FD</u> 67FF	C1 OC 10 2D OO OB	945.	GPC./	BLT ONES		
- 3	6803	C1 OD OO OB			CMPB *13		A174
) 19	6805	10 2E 00 05	947.		BGT ONE8		()
	6809	BO 65 3A	948.		JSR CM1		
20		20 85	949.		BRA ONESET		r e
- 1 × 21 ~			950.	n			,
1:			951.				
200 m			952.		An	THE PROPERTY ADDRESS OF ACE OF THE THEORY	· y
- €3 × ± _		32 62	953.	ONE8	LEAS 2,S	IN COMMAND AREA, INCR. STACK PTR TWICE SET CARRY BEFORE EXIT.	
51	<u> </u>	1A 01	<u>954.</u> 955.	ONEX	ORCC #\$01 RTS	DET BERRY DET GALT	
3 - A	0012	.07	956.	ONCA	KID		()
7 T			957.	" ACT	UAL FLOT THE 1	POINTS ROUTINE	
			958.	R	100000000000000000000000000000000000000		, ,
)) 30	6813	34 36	959.	PPLOT	PSHS D,X,Y	SAVE D,X,Y	*
3	6815	70 62 23	960.		TST XYSWAP	SWAP X,Y ??	
12		10 27 00 02	961.		BEQ FPL2	NO _{y = n} YES, DO IT.	3.3
		1E 12	962.	W. P. 1 40.	EXG X,Y	YES, DU II.	
```		1F 20	963.	PPL2	TER Y,D	-VE Y ??	
		70 62 22	964. 965.		TST YNEG BEQ PPL4	NO _{y n n}	( b
7	6923 6927	10 27 00 05 43	966.		COMA	YES, GET	
	6828	53	967		COMB		and a
)	6829	C3 00 01	968,		ADDD #1	2'S COMPLEMENT VALUE	Cy
64.	<u> </u>	F3 62 2A	989.	PPLA	ADDD YO	<u> </u>	
100.1	682F	1F 02	970.		TFR D,Y	SAVE D I.E Y=Y+YO	( ) j
1.00		1F 10	971.		TER X,D	16° W 656	
		710 62 21	972.		TST XNEG	-VE X ??	
% ·-	6836	10 27 00 05	973. 974.		BEQ PPL6 COMA	NO, YES, GET	Ú
A 16	683A 683B	43 e.x	974. 975.	·-··· ···- <del>·</del>	COMB	I fan Sait 19 - Sait Bac I.	
3.75		C3 00 01	976.		ADDD #1	27S COMPLEMENT VALUE	
) 100 -	683F	F3 62 28	977.	PPL6	ADDD XO	D=X+X()	, <i>y</i>
39		16 01	978.		TER D.X	I.E X=X+XO	
*****		BD 68 4A	979.	~	JSR PXPLOT	GO WRITE TO SCREEN	\ B
	6847	35 36	980		PULS D,X,Y	RESTORE REGS.	· <i>P</i>
	6849	39	981.		RTS		
8 y			707 702. u	t			<b>()</b>
J 3		· · · · · · · · · · · · · · · · · · ·	983.				
	1 25 a A	Y+P" //S / YE	984. 985.	EAVENT OF	STX XVAL	SET X VALUE	_
		BF 60 60 10 28 00 24	785. 986.	LACEUI	BMI PXPX	CHECK BOUNDS FOR	0
پنظامتر	6851	80 01 40	987.		CMPX *XMAX	X-COORD.	
		10 2E 00 1D	988.	-,,	BGT PXPX		Æ
(A)		10 BF 60 6F	789 "		STY YVAL	SET Y VALUE	0
		10 2B 00 15	990.		BMI PXPX	CHECK BOUNDS FOR	-
				_			

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	PUBLIC AND Mark mark man	A a At A At A t a a 175		
v				
	6860 10 8C 00 CD	991.	CMPY *YMAX	Y-COORD.
-	6864 10 2C 00 0D	992.	BGE PXPX	
	6868 7D 60 58	993. 994.	TST LINEF BNE ABSCRN	
	686B 10 26 00 07 686F BD 66 LF	<u>974.</u> 995.	JSR SCALN	
	6872 BD: 63-63	996.	JSR SCREEN	SCREEN WRITE
	6875 39	997. 998.	PXPX RTS	
		998. 999.		
	6876 FC 60 6F	1000	ABSCRN LDD YVAL	
_	6879 BD 64 5B	1001.	JSR_M40 PSHS D	
	687C 34 06 687E FC 60 6D	1002. 1003.	LDD XVAL	
	6881 BD 64 CO	1004.	JSR DIVA	
	6884 FC 60 39	1005.	LDD QUOT ADDD ,S++	
~	6887 E3 E1 6889 BD 63 63	1006. 1007.	JSR SCREEN	
	688C 39	1008.	RTS	
_		1009.	*	
	~~~ <del>~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~</del>	1010	я	
	688D 7F 60 5B	1012.	PPOINT CLR CLRFLG	CLEAR CLR SCREEN CMD FLAG
	6890 FC 60 6F	1013.	LDO YVAL	
	6893 10,83 01 13 6897 10 20 00 92	1014. 1015.	CMPD #275 BLT PPNT1	
-	689B 7D 60 56	1016.	TST PTSF	
	689E 10 26 00 3F	1017.	BNE JFTS	
	68A2 4F 68A3 8E 60 76	1018.	PPO1 CLRA LDX %PSA	
-	68A6 BF 60 74	1020	STX PPTR	
	68A9 A7 80	1021.	PP02 STA ,X+	
	68AB 8C 62 06 68AE 25 F9	1022. 1023.	CMPX #PEA BLO PPO2	
	6880 7C 60 56	1024.	INC PTSF	
	68B3 BD 67 93	1025.	PPO4 JSR ONESET	
-	6886 BD 66 EF 6889 34 06	1026. 1027.	JSR SCALN PSHS D	
	6888 IF 10	1028.	TFR X,D	
	68BD BE 60 74	1029.	LDX PPTR	
	68C0 ED 81 68C2 10 AF 81	1030.	STD ,X++	
	68CU BF 60 74	1032.	STX PFTR	
	68C8 8C 62 06	1033.	CMPX GPEA PULS D	
	68CB 35 06 68CD 10 24 00 03	1034. 1035.	BHS PF05	
	68D1 BD 63 63	1036.	JSK SCREEN	
	68D4 20 DD	1037.	BRA PPO4 PPO5 JSR ONESET	
:	6806 BD 67 93 6809 BD 66 EF	1038. 1039.	PPOS JSR ONESET JSR SCALN	
	68DC BD 63 63	1040.	JSR SCREEN	
- 4	68DF 20 F5	1041.	BRA PPUS	
		1042. 1043.	tt .	
-	68E1 7F 60 56	1044	JPTS CLR PTSF	
	68E4 8E 60 76	1045.	LDX &PSA	

🦓 / E	68E1 7F 60 56	1044.	JPTS CLR PTSF			i
<i>&gt;*</i> • • • • • • • • • • • • • • • • • • •	68E1 7F 60 56 68E4 8E 60 76	1045.	LDX #1'SA		·	Į.
_	nêra or on ve	as Market at	40 m - 1 1 1 1 m - 1 - 1			
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, , i	1 ddw 2.1 007 207 01	de B da de he de I no H I e a 1				
<b>)</b>						
-	68E7 BF 60 72	1046.	STX_JPTR			
41	68EA BC 60 74	1047.	CMPX PPTR			· · · · · · · · · · · · · · · · · · ·
) 3 °	68ED 10 27 00 39	1048.	BEQ JPT4			
· (*)	68F1 EC 81	1049.	L.DD ,X++			
	69F3 FD 62 28	1050.	STD XO			
<b>)</b>	68F6 EC 81	1051.	LDD ,X++			
13	68F8 FD 62 2A	1052.	STD YO			
٠.4	68FB BC 60 74	1053.	CMPX PPTR			- / )
`\ ``	68FE 10 27 00 28	1054.	BEQ JETA			
	6902 EC 81	1055.	JFT2 LDD X++			
19	6904 FD 62 2C	1056.	STU X1			,,,
7) 19	6907 EC 81	1057.	LDD ,X++			~
,	6909 FD 62 2E	1058.	STD Y1			
2.4.	690C BF 60 72	1057.	STX JPTR			· · · · · · · · · · · · · · · · · · ·
<b>&gt;</b>	690F BD 67 14	1040.	JSR DLINE			
	6912 BE 60 72	1061.	LDX JPTR			
	6915 BC 60 74	1062.	CMPX PPTR			
ئىداقى>	6918 10 24 00 0E	1063.	BHS JPT4			
	691C FC 62 2C	1064.	FDD XI			
.74	691F FD 62 28	1065.	STD XO			· ;
1 7	6922 FC 62 2E	1066.	LDD Y1			
1.4	6925 FD 62 2A	1067.	STD YO			<del></del>
_ :	6928 20 D8	1068.	BRA JPT2			
7.0	692A 16 FF 75	1069.	JPT4 BRA PPO1			
₹ -		1070.	n			
2.3		1071	ţı .			<del></del>
	6920 7F 60 56	1072.	PPNT1 CLR PTSF			- taray de 4
140	6930 10 83 00 FF	1073.	CMPD #255			
, 5	6934 10 20 00 05	1074.	BLT PPNT2			<del></del>
` <b>}</b>	6938 86 80	1075	LDA #\$80			
-, -	693A 16 00 0E	1076	BRA PPNT5			
	693D 10 83 00 EB	1077.	PPNT2 CMPD 4235			<u> </u>
· *	6941 10 2D 00 05	1078.	BLT PPNT3			
74	6945 86 01	1079.	LUA #1			
	6947 16 00 01	1080.	BRA PPNT5			
: - :	694A 4F	1081.	PPNT3 CLRA			<u> </u>
15	694B B7 60 66	1082.	PPNTS STA SRNF			
342 _	694E 10 FE	1083.	ANDCC #SFE			ş!
. # 10×	6950 39	1094.	RTS			
Ж-		1085.				
		1086.	u .			<u> </u>
_\$ 48 j		1097				
71 <b>9</b>		1088.	tt .			
1954		1089.	" DRAWS A PIXEL"	TRUE		
		1090	" LICENCE HE LACE."	CLEAR CLR SCREEN CHO FLAG		
7, 3	6951 7F 60 5B	1091.	PXCIR CLR CLRFLG CLR PTSF	Million 1993 Adding 23 Add 1993 Am bod 25 and 3 Adv 31 fact 1996		
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6954 7F 60 56	1092	CLR BOXF			,
1.00	6957	1093.				
ės .	695A 7F 60 58	1094.	PXC1 CLR LINEF LDD YVAL			
	6950 FC 60 6F	1095.	CMPD #255			())
	6960 10 83 00 FF	1096.	BLT PXC2			
	6964 10 20 00 05	1097.	LUA \$1			
12	6968 86 01	1098. 1099.	STA LINEF			():
<b>₩</b> 9	6964 B7 60 58	1100,	PXC2 JSR ONESET	GET CENTER		
	696D BD 67 93		I AWK WHAT WANTED	, which is already to the second of the seco		
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s)	Page 22 06/16/81 1.	DIGIT2, TXT		
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<b>a</b>				
	6970 BF 62 28	1101.	STX XO SAVE XO	
(1)	6973 10 BF 62 2A 6977 BD 66 EF	1102. 1103.	STY YO SAVE YO SAVE YO	
	697A BD 63 63	1104.	JSR SCREEN DISPLAY POINT	
d=>	697D BD 67 93		PXC3 JSR ONESET GET A DIAMETER	
£_}	6980 1F 10 6982 B3 62 28	1106. 1107.	TFR X,D SUBD XO	- i
	6985 10 2A 00 05	1108.	BFL FXC4	
~	6989 43	1109.	COMA	
	698A 53	1110.	COMB	
$o^{-1}$	6988 C3 00 01 6986 34 06	1112	ADDD #1 PXC4 PSHS D	
÷	6990 1F 20	1113 a	TER Y,D	· · · · · · · · · · · · · · · · · · ·
	6992 B3 62 2A	1114.	SUBD YO	
<b>()</b>	6995 10 2A 00 05 6999 43	1115. 1116.	BPL PXC6 COMA	
	6777 43 677A 53	1117.	COMB	
() [	699B C3 00 01	1118.	ADDD #1	
	699E 10 A3 E4		PXC6 CMPD ,S	
1	69A1 35 20 69A3 10 2E 00 02	1120.	PULS Y BGT PXC8	
-	69A2 1E 02	1122.	EXG D,Y	
	69A9 FD 62 30	1123,	PXC8 STD RADIUS	
}	69AC BD 69 CB		PXC9 JSR XCIR START PLOTTING	
	69AF 7D 60 63 69B2 26 C9	1125	TST TSCF BNE PXC3	
<b>&gt;</b> .	69B4 7D 60 64	1127.	TST REPTF	ý.
	69B7 27 B4	1128.	BEO PXC2	
)	69B9 BD 67 93 69BC BF 62 28	1129. 1130.	JSR ONESET STX XO	
	69BF 10 BF 62 2A	4 4 % q	STY YO	
	69C3 DD 66 EF	1132.	JSK SCALN	
)	6906 BD 63 63	1133.	JSR SCREEN BRA PXC9	. •
	6909 20 E1	1134 a 4 a 311 a	DIG FAG7	
. ر		1136.	и	(
	2 pr. pr. v		. FOR TRUE & FALSE VALUES OF XNEG DO YCIR	<del> </del>
) }	69CB 7F 62 21 69CL BD 69 D8	1138. 1139.	XCIR CLR XNEG JSR YCIR	
 	69D1 7C 62 21	1140.	INC XNEG	
	6904 BD 69 D8	1141.	JSK YCIK	
<b>)</b>	6907 39	1142.	RTS	(
		1143. 1144.	. FOR TRUE & FALSE VALUES OF YNEG DO XYCIR	
÷	6908 7F 62 22		YOR OLK YNEG	
	69DB BD 69 E5	1146.	JSR XYCIR	
<b>)</b>	690E 7C 62 22 69E1 BD 69 E5	1147. 1148.	INC YNEG JSR XYCIR	
	69E4 39	1149.	RTS	
		1150.	n .	
.)	2 (1571) 20	1151.	, FOR TRUE & FALSE VALUES OF XYSWAR DO SECTOR ROUTINE.	
	69E5 7F 62 23 69E8 BD 69 F2	4 4 65 73 4 4 65 73 4 4 65 73	JSK SCIR	<u></u>
<b>&gt;</b>	69EB 7C 62 23	1154.	INC XYSWAP	
	69EE BD 69 F2	1155,	JSR SCIR	

	69EB 7C 62 23	1100.	JON OCIN INC XYSWAP JSR SCIR		8
Ø	<u>69</u> EE BD 69 F2	1155.	aran ana an	<del></del> ·	<u>^</u>
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gent of		81 1.DIGIT2.TXT			
( F )	Page 23 06/16/	BI InDIVITION A			· )
<u> </u>	69F1 39	1156.	RTS		
- 'Ty - '		1157. 1158.	n n		, ,
4) 4 (	69F2 BE 62 30	1159. 1160.	. SECTOR ROUTINE. SCIR LDX RADIUS	GET RADIUS(R)	. 4
<u>F</u>	69F5 10 8E 00 00		LDY #900	SET Y	e e
1.3	69F9 1F 10	1162.	TER X,D	D=X=R	
4	69FB 43	1163.	COMA		ý ž
-1	69FC 53 69FD C3 00 01	1185.	ADDD \$1	D= -K	
	6A00 34 10	1166.	SC2 PSHS X	The same of the sa	
<b>( )</b> 19	6A02 10 AC E1	1167.	CMPY ,S++	CHECK FOR END PT. YES, EXIT.	
	6A05 10 2E 00 3D 6A09 BD 68 13	1168. 1169.	DGT SCX JSR PPLOT	GO PLOT FTS.	
3	6A09 BD 68 13 6A0C 34 26	11.70	PSHS D, Y		,
	6A0E 1F 20	1171.	TFR Y,D		
	6A10 31 AB	1172.	LEAY DyY	Y=2Y	
(_) s	6A12 1F 20	1173. 1174.	TFR Y,D ADDD ,S	D(=Y)=2Y+D	
·,	6A14 E3 E4 6A16 C3 OO O1	1175.	ADDD \$1	D(=Y)=2Y+D+1	<i>(</i> ;
ħ., 4	6A19 35 20	1176 m	FULS Y	IGNORE OLD D UN STACK	
,,,,,	6A1B 35 20	1177.	PULS Y LEAY 1,Y		
29 2 <b>(</b> )	6A1D 31 21 6A1F 7D 60 5A	1179. 1179.	TST BOXE	DRAW DIAMONDS ?	;
( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	6A22 10 26 00 06		BNE SC4	YES	
1.1	6626 10 83 00 00	1181.	CMPD #0	>0 ?	 ¥
() v	6A2A 2F D4	1182. 1183.	BLE SC2 SC4 PSHS D,X	YES,	,
17.	6A2C 34 16 6A2E 1F 10	1.184.	TFR X,D		j.
()		1.185	LEAX D,X	X=2X	•
***	6A32 1F 10	1186.	TFR X,D		<u>.</u>
) - ₁	6A34 43 6A35 53	1187. 1188.	COMA		•
	6A36 C3 00 01	1107	ADDD #1	2X= -2X	
	6A39 E3 E4	1170.	ADDD ,S	D=B=2X	j.
() €		1191. 1192.	ADDD #2 PULS X	D=D-2X+2 IGNORE OLD D ON STACK	W.
4) F 62)	6A3E 35 10 6A40 35 10	1193.	PULS X		
() A	6A42 30 1F	1194.	LEAX -1,X	X=X-1	
- VC	6A44 20 BA	1195.	BRA SC2	CONTINUE	
	6046 39	1196. 1197.	SCX RTS		<i>, j</i>
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ι, .		1179 "	н		 
1. 3		1200. 1201.	DIAMNO CLR CLRFLG		
	6647 7F 60 5B 6646 7F 60 56	1202.	CLR PTSF		
()	6A4D 86 01	1203.	LDA #1		
- 72	6A4F B7 60 5A	1204.	STA BOXE		-
7	6AS2 7E 69 SA	1205. 1206.	JMP PXC1		_ ()
الشورييا		1207.			- :
	6A55 7F 60 5B	1.208.	TSCP CLR CLRFLG		- O
Op.	6A58 7F 60 56	1207.	CLR PTSF		
3	6ASB 7F 60 64	1210 a	CLR REPTE		

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٠.				
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,	6ASE FC 60 6F	1211.	LDD YVAL	
$\sum_{i=1}^{N}$	6A61 10 83 00 FF 6A65 10 2D 00 06	1212.	CMPD #255 BLT TSCP2	
11	6A65 10 20 00 06 6A69 7F 60 63	1214.	CLR TSCF	
, '	6A6C 16 00 05	1215.	BRA TSCPX	
)	6A6F 86 01	1216.	TSCP2 LDA #1 STA TSCF	
A	6A71 B7 60 63 6A74 39	1217 <u>.</u> 1218.	TSCPX RTS	-
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<b>)</b> .	6A7S 7F 60 SB 6A78 7F 60 56	1221. 1222.	REPEAT CLR CLRFLG CLR PTSF	
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.:	6AZE FC 60 6F	1224.	LDD YVAL	
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	6A85 10 2D 00 06 6A89 7F 60 64	1226. 1227.	BLT REPT2 CLR REPTF	
	6A8C 16 00 05	4.2.2.7 n	BRA REPTX	
	6A8F 86 01	1229.	REPT2 LOA #1	
: - <b>)</b>	6A91 B7 60 64	1230	STA REPTF REPTX RTS	
	6A94 39	1231.	ALTIA ALD	
		1233.	и	
<b>)</b>		1234.	11	
1	6A95 B0 62 82	1235. 1236.	OPT L GETPTS JSR INPTR	
<b>)</b>	6A98 BE 60 6D	1237.	LDX XVAL	
4.	6A9B 8C 01 40	1238.	CMPX #XMAX	
	6A9E 2E F5	1239.	BGT GETPTS	
<b>)</b>	600 10 BE 60 6F 6004 10 8C 00 CD	1240. 1241.	CMPY #YMAX	
	6AA8 10 2D 00 4C	1242.	BLT GETPTX	
<b>)</b>	6AAC 10 8C 00 D7	1243.	CMPY *CMDS	
- 4	6ABO 2D E3	1244,	BLT GETFTS	
٠, ﴿	6AB2 7F 60 3F 6AB5 1F 10	1245. 1246.	CLR SDCMD TFR X,D	
ur r	6AB7 BD 64 CB	1247.	JSR DIV20	
i	6ABA FC 60 39	1248.	LDD QUOT	
)	6ABD 86 01	1249. 1250.	LDA #1 CMPB #14	
	6ABF C1 0E 6AC1 10 2D 00 30	1250 a 1251 a	BLT GETPT6	
<b>)</b> < '	6ACS 10 27 00 07	4 * 7 % ** ** * * * * * * * * * * * * * *	BEQ GETPT2	
,	6AC9 CI OF	1253.	CMPB #15	
	6ACB 10 26 00 26	1254.	BNE GETPT6 INCA	
	6ACH 4C 6ADO 10 BE 60 6F	1255. 1256.	GETP12 LDY YVAL	
	6AD4 10 8C 00 LB	1257.	CMPY \$235	
<b>)</b> : •	6AD8 10 2D 00 16	1250.	BLT GETPT4	
٠,	6ADC 88 02 6ADE 10 8C 00 FF	1259. 1260.	ADDA #2 CMPY #255	
<b>)</b>	6ADE 10 8C 00 FF 6AE2 10 2D 00 0C	1261.	BLT GLTPT4	
,	6AE6 8B 02	1262.	ADDA #2	
,	6AL8 10 8C 01 13	1263.	CMPY #275	
3	6AEC 10 2D 00 02	1264.	BLT GETPT4	

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E21 7F 60 4D 1288 CLR NEMLF  B24 7F 60 4C 1289 CLR INMBF  B27 7D 60 49 1290 TSY ENDF  B28 10 27 00 01 1291 DER BBL 2  B28 30 1292 RTS  1293 T294 SBL 2  B27 BB 6A 95 1294 SBL 2  B28 1295 BC BL 60 3F 1296 CNFA \$4  B33 4B 6 60 3F 1296 CNFA \$4  B35 10 26 00 0A 1299 BNE SBL 4  B36 B 10 26 00 0A 1299 BNE SBL 4  B37 B 1 1302 BSL 2X DER PEUBL A  B48 B 60 50 1303 CLD PEUBL A  B49 B 1 1304 STA O, X  B49 B 1 1305 RTS  B49 B 1 1306 RTS  B49 B 1 1306 RTS  B49 B 1 1307 RTS  B49 B 1 1308 SBL X DER PEUBL A  B49 B 1 01 1308 SBL X DER PEUBL A  B49 B 1 01 1308 SBL X DER BBL X  B49 B 1 01 1308 SBL X DER BBL X  B49 B 1 01 1308 SBL X DER BBL X  B49 B 1 01 1308 SBL X DER BBL X  B49 B 1 01 1308 SBL X DER BBL X  B49 B 1 01 1308 SBL X DER BBL X  B49 B 1 01 1308 SBL X DER BBL X  B49 B 1 01 1308 SBL X DER BBL X  B49 B 1 01 1308 SBL X DER BBL X  B49 B 1 01 1308 SBL X DER BBL X  B49 B 1 01 1308 SBL X DER BBL X  B49 B 1 01 1308 SBL X DER BBL X  B49 B 1 01 1308 SBL X DER BBL X  B49 B 1 01 1318 SBL X DER BBL X  B40 B 1 01 1318 SBL X DER BBL X  B40 B 1 01 1318 SBL X DER BBL X  B40 B 1 01 1318 DER BBL X  B41 B 1 01 1318 DER BBL X  B42 B 1 01 1313 DER BBL X  B43 B 1 04 B 1 1314 CEPPA #4  B44 B 1 01 1314 CEPPA #4  B45 B 1 05 1314 CEPPA #5  B46 B 1 05 1314 DER BBL X  B47 B 1 01 BBL X  B48 B 1 05 1314 DER BBL X  B49 B 1 01 BBL X  B40 B 1 01 BBL X  B41 B 1 01 BBL X  B42 B 1 01 BBL X  B43 B 1 04 BBL X  B44 B 1 05 BBL X  B45 B 1 05 BBL X  B46 B 1 05 BBL X  B47 B 1 1314 CEPPA #5  B48 B 1 05 BBL X  B49 B 1 05 BBL X  B40 B 1 05 BBL X  B40 B 1 05 BBL X  B41 B 1 1317 BBL B 1 BBL X  B41 B 1 1317 BBL B 1 BBL X  B41 B 1 1317 BBL B 1 BBL X  B42 B 1 05 BBL X  B43 B 1 04 BBL X  B44 B 1 05 BBL X  B45 B 1 05 BBL X  B46 B 1 05 BBL X  B47 B 1 1314 BBL X  B48 B 1 05 BBL X  B49 B 1 05 BBL X  B40 B 1 05 BBL X  B40 B 1 05 BBL X  B40 B 1 05 BBL X  B41 B 1 05 BBL X  B41 B 1 05 BBL X  B41 B 1 05 BBL X  B42 BBL X  B43 B 1 04 BBL X  B44 B 1 05 BBL X  B45 BBL X  B46 B 1 05 BBL X  B47 BBL X  B48 B 1 05 BBL X  B48 B 1 05 BBL X  B49 B 1 05 BBL X  B49 B 1 05 BBL X  B49 B 1 05 BBL				
B27 7D 60 49 1290. TST ENDF B2A 10 27 00 01 1291. BEG BDL2 B2L 39 1292. RT5 B2F BD 6A 95 1294. SDL2 JSR GETPTS B32 24 FB 1295. BCC SDL2 B33 B3 60 3F 1296. LDA SDCMD B34 B3 10 4 1298. CMPA 94 B35 10 26 00 0A 1299. BNE SDL4 B35 39 1300. RTS B36 B5 60 31 1302. SDL2X LDX PREUAD B44 B6 60 51 1302. SDL2X LDX PREUAD B46 B6 00 51 1304. STA 0,X B47 B1 01 1306. RTS B48 B1 01 1306. SDL4 CMPA \$1 B48 B3			CLR NEWLF	
B27 7D 60 49 1290. TST ENDF B2A 10 27 00 01 1291. BEG BDL2 B2L 39 1292. RT5 B2F BD 6A 95 1294. SDL2 JSR GETPTS B32 24 FB 1295. BCC SDL2 B33 B3 60 3F 1296. LDA SDCMD B34 B3 10 4 1298. CMPA 94 B35 10 26 00 0A 1299. BNE SDL4 B35 39 1300. RTS B36 B5 60 31 1302. SDL2X LDX PREUAD B44 B6 60 51 1302. SDL2X LDX PREUAD B46 B6 00 51 1304. STA 0,X B47 B1 01 1306. RTS B48 B1 01 1306. SDL4 CMPA \$1 B48 B3		1289.	CLR INHBF	
1292   1293   1294   1295   1294   1295   1294   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295   1295			TST ENDF	
1293   SDL2				
82F BD 6A 95	32E 39		RTS	
B32 24 FB 1295. BCC SUL2  834 B6 60 3F 1296. L0A SDCMD  R37 27 F6 1297. BEQ SUL2  839 B1 04 1298. CMPA 44  838 10 26 00 0A 1299. BNE SDL4  837 39 1300. RTS  1301  840 BE 60 S1 1302. SDL2X LDX PREVAD  843 B6 60 50 1303. LDA PREVBY  846 A7 84 1304. STA 0,X  848 39 1305. RTS  1306  1307  849 B1 01 1308. SDL4 CMPA 41  848 26 E2 1309. BNE SDL2  840 B 6C B9 1310. JSR STARTX  840 B 6C B9 1310. JSR STARTX  850 B 6C B9 1311. SDL6 JSR GETPTS  853 10 24 00 10 1312. BCC SDL8  856 BC SDL9  857 B6 60 3F 1313. LDA SDCMD  858 BC SDL8  858 B1 04 1314. CMPA 44  856 C 27 E2 1315. BEQ SDL2X  856 BEQ SDL2X  857 BC SDL8  858 B1 05 1316. CMPA 45  858 B1 05 1316. CMPA 45  859 BNE SDL2  850 BC SDL8  8	90 JU 90 90 A 20 PM		Language and the second	
### B6 60 3F				,
### B37				
## B3B				
B3B 10 26 00 0A 1299. BNE SDL4 B3F 39 1300. RTS  B40 BE 60 51 1302. SDL2X LDX PREVAD B43 B6 60 50 1303. LDA PREVBY B46 07 84 1304. STA 0,X B48 39 1305. RTS  B49 B1 01 1308. SDL4 CMPA \$1 B49 B1 01 1308. SDL4 CMPA \$1 B48 B6 62 E2 1309. BNE SDL2 B49 B0 6C B9 1310. JSR STARTX B50 BD 6A 95 1311. SDL6 JSR GETPTS B53 10 24 00 10 1312. BCC SDL8 B55 10 24 00 10 1314. CMPA \$4 B55 27 E2 1315. BEG SDL2X B56 B1 05 1316. CMPA \$4 B56 CB B1 05 1316. CMPA \$5 B66 CB B1 05 1317. BNE SDL6				
83F 39				•
1301.   1302.   SBL2X LDX PREVAD				
840 BE 60 S1 1302. SDL2X LDX PREVAD B43 B6 60 50 1303. LDA PREVBY B46 A7 84 1304. STA 0,X B48 39 1305. RTS  1306				
B43 B6 60 50			DL2X LDX PREVAD	
1305   RTS   1306   RTS   1307   RTS   1307   RTS   1307   RTS	143 B6 60 50			
1306  1307  1307  B49 B1 01		· ·		
1307  349 81 01	39		RTS	
849       81       01       1308.       SDL4       CMPA #1         84B       26       E2       1309.       BNE SDL2         84D       80       60       BP       1310.       JSR STARTX         850       8D       6A       95       1311.       SDL6       JSR GETPTS         853       10       24       00       10       1312.       BCC SDL8         857       86       60       3F       1313.       LDA SDCMD         85A       81       04       1314.       CMPA *4         85C       27       E2       1315.       BEQ SDL2X         85E       81       05       1316.       CMPA *5         86O       26       EE       1317.       BNE SDL6				
84B       26       E2       1309.       BNE SDL2         84D       80       6C       B9       1310.       JSR STARTX         850       8D       6A       95       1311.       SDL6       JSR GETPTS         853       10       24       00       10       1312.       BCC SDL8         857       86       60       3F       1313.       LDA SDCMP         85A       81       04       1314.       CMPA *4         85C       27       E2       1315.       BEQ SDL2X         85E       81       05       1316.       CMPA *5         86O       26       EE       1317.       BNE SDL6	4 P2 P2 15 15 15		taria de la compansión	
BAD BD 6C B9 1310. JSR STARTX BD0 BD 6A 95 1311. SDL6 JSR GETPTS BD3 10 24 00 10 1312. BCC SDL8 BS7 B6 60 3F 1313. LDA SDCMD BSA 81 04 1314. CMPA #4 BSC 27 E2 1315. BEQ SDL2X BSE 81 05 1316. CMPA #5 B60 26 EE 1317. BNE SDL6				
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853 10 24 00 10 1312. BCC SDL8 857 86 60 3F 1313. LDA SDCMD 858 81 04 1314. CMPA #4 85C 27 E2 1315. BEQ SDL2X 85E 81 05 1316. CMPA #5 860 26 EE 1317. BNE SDL6				
## ## ## ## ## ## ## ## ## ## ## ## ##				
## 1314. CMPA ### 65C 27 E2				
85C 27 E2 1315. BEQ SDL2X 85E 81 05 1316. CMPA *5 860 26 EE 1317. BNE SDL6				
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860 26 EE 1317. BNE SDL6				
	62 BD 6C CF	1318.	JSR INHIBIT	
865 20 E9 1319. BRA SDL6				

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		-						
686	7 7F	60 4A	1321.	SULB	CLR GOTPT			
686		6C C9	1322.	_ , ,	JSR NEWLINE			
686		6C FE	1323.	SDL82	JSR SDWRT			
<u>6B7</u>		<u>6A 95</u> 25 00 0A	<u>1324.</u>	SDL83	JSR GETPTS BCS SDL85			
687		60 S1	1326.		LDX PREVAD		-	
687		60 50	1327,		LDA PREVBY			
6B7			1329.		STA O,X			
<u>6B7</u>	20	EC	1779		BRA SDL82			
100	10.7	60 3F	1.330	SDL85	LDA SDCMD			
688 686			1331. 1332.	out.go	CMPA #2			
688		27 00 0D	1333.		BEQ SDL87			
6B8			1334.		CMPA #4			
6886	27	B2	1335.		BEQ SDL2X			
883			1336.		CMPA #5			
689			1337.		DNE SDL83			
689		<u>60 06</u>	1338.		JSR INHIBIT			
6893	5 20	71.7	1339. 1340.		BRA SDL83			Vi
689	7 BF	60 69	1341.	<u>.</u> SDL87	LDX SPTR			
689		60 42	1342.	1,54,52,137	STX TOPX	,		
6891		6C 68	1343.		JSR CONFIRM			
6BA		60 44	1344.		STX FSTAD			
6BA.	3 B7	60 46	1345.	. ~	STA FSTBY			
	····		1346.	¥f	CLR CLOSEF			
	, , , , , , , , , , , , , , , , , , , ,		<u>1347.</u> 1348.	n	CLR NEWLF			
	******	······································		at	CLR CONFM			
6BA	5 C6	01	1350.	<del>-</del>	LDB #1			
6BA		60 40	1351,		STB GOTPT			
6BA	3 91)	6A 95	1352.	SDL9	JSR GETPTS			
6BA		24 00 24	1353.		BCC SDL98			
SBB:		<u>60 3F</u>	1.354	<del></del>	LDA SDCMD			
6BB:		07 27 00 09	1355 1356.		CMPA #7 BEQ SDL92			
6BB		2E 00 12	1357		BGT SDL94			
6BBI		6C 1C	1358.		JSR SDL9X0			
6BC			1359.		BRA SDL9			
			1360.	# # # # # # # # # # # # # # # # # # #	obje jak 1000 - 176. k - 200 - 124 - 144 - 144			
<u> 680-</u>		60 47	1361.	SDL92	TST CLOSEF			
48C		6C DD	1362. 1363.		BNE SUL9 JSR CLOSEB		······································	
6BC		<u>60 00</u>	1364.		JSR NEWLINE			
6BCI			1365.		BRA SDL87			
			1366.	···				
6BD		6C 4A	1.367	SDL 94	JSR ENDX			
6BD	<u>20</u>	<u> </u>	1368.		BRA SDL9			
	· · · · · · · · · · · · · · · · · · ·		1369				<del></del>	
6BD	· · · · · · · · · · · · · · · · · · ·		1370. 1371.	SDL 98	EQU *			
6BD		å€ FE	1372.		JSR SDWRT			
680		6A 95	1373.	SDL 99	JSR GETPTS			
6800	; 10	24 00 32	1374.		BCC SDL9B2			
	) B6	60 3F	1375.		LOA SDCMD			

6BDC 10 24 00 32 6BEO 86 60 3°	1374. 1375.	BCC SDL9B2			
6BEO B6 60 3 ^c	તે કહે છે કહે છ				
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Page 27 06/16/81 l.	DIGIT2.IXT			,	
6BE3 81 02	1376. 1377.	CMPA #2 BNE SUL9A4			
6BE5 10 26 00 08 6BE9 BD 6C 68	1378.	JSR CONFIRM			
6BEC 7F 60 47	1379	CLR CLOSEF			
6BEF 20 BA	1380.	BRA SDL9		:	
2.79.5° 3 Fr. 0 A "5	<u> 1381</u> 1382. SD	L964 CMPA #7			
6BF1 81 07 6BF3 10 27 00 0E	1383	BEQ SDL9A6			<u>.</u>
6BF7 10 2E 00 05	1384.	BGT SDL9A5			
6BFB BD 6C 1C	1385.	JSR SDL9X0			
6BFE 20 D9	1386.	BRA SDL99			
6C00 ED 6C 4A	1387 1388. SI	L9AS JSR ENDX			
603 20 D4	1389.	BRA SDL99			
	1390			· · · · · · · · · · · · · · · · · · ·	
4 10 10 20 10 10 10 4 10	1391 1392. SI	OL9A6 TST CLOSEF			
6005 70 60 47 6008 26 CF	1393.	BNE SDL99			
SCOA BD SC DD	1394.	JSR CLOSEB			
600D BD 60 C9	1395.	JSR NEWLINE			
6C10 20 85	1396 a 1397 a	BRA SDL87			
6C12 BE 60 51	1377 1398. SI	DL9B2 LDX PREVAD			
6C15 B6 60 50	1399.	LUA PREVBY			
6C18 AZ 84	1400.	STA 0,X			
6C1A 20 BA	1401	BRA SDL98			
	1403				
6C1C B6 60 3F	1404. 51	0L9X0 LDA SDCMD			
6C1F 81 04	1405.	CMPA #4	· · ·		
6C21 10 2D 00 19	1406.	BLT SDL9XX BEQ SDL9XZ			
6025 10 27 00 16 6029 81 05	1408.	CMPA #5			
6C2B 10 26 00 06	1409.	BNE SDL9X2			<del></del>
602F B0 60 CF	1410.	JSR INHIBIT BRA SDL9XX			
6032 16 00 09	1411.	NAT JULG HAQ			
3035 81 06		OL9X2 CMPA #6			
6037 10 26 00 03	1414.	BNE SDL9XX			
6C3B BD 6C C9	1415	JSR NEWLINE UL9XX RTS			
603E 39	1416. SI 1417	July VVV - IV LO			
603F BE 60 31	1418. 51	DL9XZ LDX PREVAD			
6C42 B6 60 50	1419.	LDA PREVBY			<u></u> -
5C45 AZ 84	1420. 1421.	STA 0,X LEAS 2,S			
6047 32 62 6049 39	1422.	RTS			
Section F.F. Sec. C	1423				
	1424				
7 P A A "TT - 7 P - AT)	1425 1426. E	NDX TST STARTE			
6C4A 7D 60 48 6C4D 10 27 00 16	1427.	BEG ENDXX			
6C51 7D 60 4A	1428	TST GOTPT			
6C54 10 27 00 OF	1429.	BEG ENDXX			

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, I	Page 28 06/16/81 1	"DIGIT2"TXT			<del></del>
•,	rathery. W. A. A. A.				
	605B 34 04 605D 59	1431. 1432.	PSHS B ROLB		<del></del>
) 4	6CSE EB EO	1433.	ADDB ,S+		
١٢	6C60 8E 70 00	1434.	LDX #SSA		
	6C63 ED 84	1.435	STD O,X		
1 12 1 4	<u> </u>	1436. 1437.	LEAS 2,S ENDXX RTS		
·	USU7 U7	1438.	ENDAA KIS		
		1439.	T.		
:;	6068	1440.	CONFIRM EQU *		
'. } ::3	6068 70 60 47 6068 10 26 00 00	1441. 1442.	TST CLOSEF  BNE CONFX		·····
- (1	6C6F BD 6C 7C	1443.	JSK SAVPTS		
- · ·	6C72 7F 60 4D	1444.	CONF2 CLR NEWLF .		
) s ·	6075 7F 60 4C	1445.	CLR INHBF		
5.0	6078 7F 60 47 6078 39	1,446	CLR CLOSEF		
 	OPAD 0A	1.447. 1448.	CONFX RTS		
		1449.	п		
	6C7C BE 60 69	1.450.	SAVPTS LDX SPTR		
	6C7F 8C 70 F2	1451.	CMPX #SEA-3		
,,,	6082 10 24 00 32 6086 70 60 4A	1452. 1453.	BHS SAVPTX TST GOTPT		
·	6C89 10 27 00 0E	1.454	BEQ SAVPT2		
11	608D B6 60 5D	2.455.	LDA YVALI+I		
.2 	6090 B1 60 53	1456	CMPA PREVY		
1:	6093 10 25 00 42	1457.	BLO RIGHTB		
	6097 10 22 00 3A 6098 5F	1458. 1459.	BHI LEFTB SAVPT2 CLRB		
	6C9C B6 60 5D	1460.	SAVPT3 LDA YVAL1+1		
1	609F B7 60 53	1461.	STA PREVY		
₹	6CA2 FA 60 4D	1462.	ORB NEWLF		
-	6CAS FA 60 4C 6CAS BE 60 69	1463. 1464.	ORB INHBF LDX SPTR		
	6CAB ED 81	1465.	STD ,X++		
٦.	6CAD B6 60 SF	1466.	LDA XVAL1+1		
· -	6CBO A7 80	1467.	STA ,X+		
14	6CB2 BF 60 69 6CB5 7C 60 41	1468. 1469.	STX SPTR ING SULEN+1		
·	6088 39	1467 <u>.</u> . 1470 .	SAVPTX RTS		
:		1471.	и		
41:		1472	и		
< e _q	6089 70 60 48	1473.	STARIX IST STARTE		
	6CBC 10 26 00 05 6CCO C6 01	1474. 1475.	BNE STARTZ LD8 *1		
	6CC2 F7 60 48	1476.	STB STARTF		<del></del>
	6CC5 7F 60 49	1477.	STARTZ CLR ENDF		
٠	6008 39	1478.	RTS		
·-		1479. 1480.	и		
	6009 C6 04		NEWLINE LOB #\$04		
;	6CCB F7 60 4D	1482.	STB NEWLF		
	6CCE 39	1483.	RTS		
		· · · · · · · · · · · · · · ·			
-	6 <u>C</u> CF	1484. 1485.	INHIBIT LOB 0502		

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6001 F7 60 4C	1486.	STB INHBF
6CD4 39	1487.	RTS
5	1488.	15.1.29
10	1489.	
6CD5 C6 40	1490	LEFTB LDB #\$40
*2 6CD7 20 C3	1491	BRA SAVPT3
16 / 10/15/10 15 / 15 / 15 / 15 / 15 / 15	1472.	27, 42 25, 234, 25, 234, 25, 25, 25, 25, 25, 25, 25, 25, 25, 25
16 6CD9 C6 20	1493.	RIGHTB LDB *\$20
6CDB 20 BF	1494.	BRA SAVPT3
10	1495,	#
5 r	1496.	11
6000 70 60 4A	1497.	CLOSEB TST GOTFT
19 <u>6CEO 10 27 00 19</u>	1498.	BEQ CLOSEX
20 6CE4 86 01	1499.	LDA #1
21 6CE6 B7 60 47	1500.	STA CLOSEF
6CE9 BE 60 42	1501.	*
* W		LIX TOPX
	1502	CLRA
26 <u>ACED EA 84 -                                  </u>	1503,	LDB O.X
26 <u>6CEF FD 60 5C</u>	4 C O A .	STD YVAL1
26 <u>ACF2 E6 02</u>	1505	LDB 2,X
27 <u>6CF4 FD 60 5E</u>	1506.	STD XVAL1
²⁸ <u> 6CF7 7F 60 4D</u>	1507.	CLR NEWLF
28 <u>ACFA BD 6C 7C</u>	1508.	JSR SAVETS
% 6CFD 39	1509.	CLOSEX RTS
3	1510.	#
32	1511.	
<b>3</b> 5	1543 1542 1542 1	#
6CFE BD 63 43		SDWRT JSR SCALC
	1513.	· ·
6001 34 06	1514.	PSHS D
sc6003_70_60_66	1515.	TST SRNF
6D06 10 26 00 0D	1516.	BNE SDWR2
6DOA F6 60 67	1517.	LDB COLOR1
6 6000 8E EO OO	1518.	LDX #G1SA
60	1519.	LDY *G1EA
61 - 61114 16 00 0A	1520.	BRA SDWK4
32	1 1 1 1 1 1	action were talked
6017 F6 60 68		Grupo indicamen
	1522.	SDWR2 LDB COLOR2
4	1523 n	LDX @G2SA
6010 10 8E 9F FF	1524.	LDY #62EA
16	1525	u .
6D21 F7 60 4E	1526.	SDWR4 STB SDCOLR
* <u>6024 35 06</u>	1527.	PULS D
6 6D26 BD 6D 2A	1528.	JSR SDSRN
6D29 39	1529.	RTS
3	1530.	E V 1 5st
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∞ <u>602E F6 60 3C</u>	1.534	LDB REMD
36 6D31 10 27 00 04	1.535	BEQ SDS2
6035 44	1536.	SDS1 LSRA
* 6D36 5A	1537	DECB
6D37 26 FC	1538.	BNE SUSI
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Page 39 06/16/85 5.028179 JXY						
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06/16/81 1.01G1T2.TXT Page 31 Formatted Assembler Dictionary -- Procedure: MAIN 65AF BASIC E005 ACIAD - U 6055 ALTF <u> 6000 ABSOLUTE - PC</u> EOO4 ACTAC 6876 ABSCRN 6607 BLK3 6614 BLK4 65FB BLK2 65F9 BLK1 65E2 BLACK 65ED BLKO - U 657F CO 6208 BST SSFE BLKX 661B BLUE 605A BOXE 6206 BPTR 6664 CLR22 665B CLR20 **6CFD CLOSEX** 6589 C5 6CDD CLOSEB 6047 CLOSEF 6677 CLRG2X 6673 CLRG2 6650 CLR240 605B CLRFLG 6665 CLRG1 6669 CLRG1X 000C CMAX 656C CM5 6572 CM6 6552 CM2 6558 CM4 <u>653A CM1</u> 6597 CMUTBL 6067 COLORI 6068 COLOR2 00D7 CMDS <u> 651F CMDO</u> <u> 6586 CMD1</u> 6C72 CONF2 - U 604B CONFM - U 6C7B CONFX 6C68 CONFIRM 6065 COLOUR 651F COMMAND 6507 DG2 650D D6162P 6513 DG1G2M OOOD CK 3136 DAY - S,P,U 6501 DG1 648B DIV1 62EO DGZTST 6A47 DIAMND 6516 DGXX 6302 DGZT0 633C DGZT1 64AD DIVCHK 6471 DIVIDE 64D5 D1V2OX - U 64CO DIV6 64CA DIV6X - U 64CB D1V20 6714 DLINE 00A5 DPHYSC - U 672F DL2 675B DL6 6744 DL4 64B9 DIVZ 64D6 DVPXL - U 6036 DVEND 6035 DVCNT 0004 DSCALE - U 0053 DPHYSH - U 0002 DSCALH - U 6C67 ENDXX **6C4A ENDX** 64FO DVPXLX 6038_DVSOR 6322 DZ2 6049 ENDF 6044 FSTAD 6046 FSTBY 6000 ENTRY 003D EQSIGN OOIR ESC 0000 FALSE - P,U 8000 G2SA 9FFF GEA - U 6241 GETCH E000 G1SA FFFF GLEA 9FFF G2EA CD15 GETCHR - U 6ADO GETPT2 6254 OLTCH3 - U 6268 GETCHE 6247 GETCHO **625E GETCH5** 6620 GREEN 604A GOTPT 6AF2 GETPT4 6AF5 GETPT6 6A95 GETPTS 6AF8 GETPTX 6282 INPTR 6269 INCH **&CCF INHIBIT** 6235 INITR - U 8000 GSA - U 604C INHBF 6CD5 LEFTB 000A LF - U 6902 JPT2 692A JPT4 6072 JPTR 68E1 JPTS 002D M1NUS 3036 MUNTH - S,P,U 645B K40 6450 K5 - U 646C M80 6058 LINEF 604D NEWLF 64F1 MXPXL - U 603D MXTEM - U 62BO MULX 628A MULXO 620C MULX1 67E7 ONE6 67D2 ONE2 6707 ONE4 670C ONES **ACC9 NEWLINE** 6057 NLINE CDOF OUTCH - U 6206 PEA 680E ONE8 6793 DNESE 6812 DNEX 67FD ONE7 683F PFL6 682C PPL4 6813 PPL01 002B PLUS 6061 POFF 681E PPL2 68A9 PP02 693D PPNT2 694A PPNT3 694B PPNTS 68A2 FP01 692D PPNT1 68D6 PP05 6051 PREVAD 6050 PREVBY 6074 PPTR 69B3 FP04 688D PPOINT 695A PXC1 696D PXC2 6056 PTSF 6062 PXBYTE 6053 PREVY 6076 PSA 69AC PXC9 6951 PXC1R 6970 PXC3 698E PXC4 699E PXC6 69A9 PXC8 6698 PXL2 66A8 PXL3 66C5 PXL4 66E1 PXL5 667F PXLINE 684A PXPLOT 6230 RADIUS 6217 READY - U 621C READYE 6060 PXRSET 6039 QUOT 6825 PXPX 6064 REPTF 6A75 REPEAT 6ABF REPT2 603B REMC 603C REMD 6625 RED **6C7C SAVPTS** 6CD9 RIGHTB 609B SAVPT2 6090 SAVPT3 6694 REPTX 0007 RNOFF 6343 SCALC 66EF SCALN 6338 SCALX4 6A00 SC2 6A2C SC4 **6CB8 SAVETX** 662C SCOLOR 69F2 SCIR 6641 SCOL2 6644 SCOL3 6327 SCALXY 663B SCOL1 - U 63E6 SCREN4 63A9 SCREN2 63AD SCREN3 6363 SCREEN 636A SCRENO 63A8 SCRENI 6B2F SDL2 6B40 SDL2X 604F SDBYTE 603F SUCMD 604E SDCOLR 6A46 SCX 6B81 SDL85 6B70 SDL83 6B50 SDL6 6B67 SDL8 6B6D SDL82 6B49 SDL4 SBU9 SUL99 6BD6 SHL98 6BD1 SDL94 6897 SDL87 6BAB SUL9 6BC4 SDL92 6C1C SDL9X0 6035 SDL9X2 6BF1 SDL9A4 6C00 SDL9A5 6COS SDL9A6 6C12 SDL9B2 6C3F SUL9XZ 6040 SDLEN 6B02 SDLINE 6D35 SDS1 6D39 SDS2 6C3E SDL9XX 6D17 SDWR2 6021 SDWR4 **6CFE SOURT** 6D2A SDSRN 6D74 SDSX adar sds4 7000 SSA 6066 SKNF 6271 SIGN 6280 SIGN1 6069 SPTR 70F5 SEA 6002 SWI18B 6CC5 STARTZ CD4E STAT - U 6232 START 6048 STARTF 6CB9 STARTX 6A55 TSCP 6071 SYMB - U 0001 TRUE - P.U 6063 TSCF 0012 SW118N 6042 TOPX 6507 TTX80X 6059 TTXF 6A74 TSCPX 65C5 TTX80W 6A6F TSCF2 65B4 TTX80 - U 63EF WSCREN 675F VLINE CD03 WARMS - U 662A WHITE 6770 VLO 6792 VLX 00A0 XHALF - U 0140 XMAX U - T1MX 8808 6228 XO 622C X1 69CB XCIR OOFO XPXNO - U 0003 XSCALE - U 6224 XSUB 6072 XMITE - U 6221 XNEG OOFO XPHYSC - U

AVAL 0808

69D8 YCIR

621C XTEM

6223 XYSWAF

621E XTENS

622A YO

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