16:		use
Fri, 18 May 1984, 16:		for
May		nter
18		, S
Fri,		il timer ast timer last tim ter nitialize
HEWLETT-PACKARD: TIME MANAGER (c) Coleco, 1982 CONFIDENTIAL		; Save momentarily ; Get back original timer ; Reset previous last timer ; Get back current last timer ; Restore DE register ; Go back up and initialize counter for use
1982		
(c) Coleco,		
MANAGER		. 2 . =
1 I ME		DE, HL NL EOT, (HL) DE, HL DE TIMER1
IRD:	¥	F O E E E E
WLETT-PACK	SOURCE LINE	
Ξ	LINE	22222 22222 22222 22222 2222 2222 2222 2222
Š.	300	
7PRIME:	139CB0	EB E1 CBA6 D1 18A4
FILE: 05 TPRIME: pos	LOCATION OBJECT CODE LINE	10AE EB 10AF E1 10BO CBAG 10B2 EB 10B3 D1 10B4 1BA4

Put the offset into the Accumulator for the user of routine RES FREE, (HL) LD A,B RET 44.59 INIT\_TIMER\_EXIT:

1086 E1 1087 CBAE 1087 CBAE 1089 78

Acc has the Signal number to be tested; A value of True(1) or False(0) is returned in the Accumulator for the Signal given. Procedure Test Signal

DEFS 1 4441; LEST\_SIG NUM:

DEFW 1,1 4446 TEST SIG PARAN: 1088 1088 00010001

LD BC, TEST SIG PARAH
LD DE, TEST SIG NUM
CALL PARAM
LD A 1449 TEST SIGNALD 108F 011088 10C2 1173C2 10C5 CD0098 10C8 3A73C2

C,A HL, (TIMER\_TABLE\_BASE) B,A

Put Signal Code into C register

Get Timer Base Address

Save Signal Set up offset for next timer See if first timer is a match if so go check it

Z, SIGNAL MATCH 10CB 4F 10CC 2A7303 10CF 47 10DG 110003 10D3 B7 10D4 2800

1 4 6 5 4 H 4460 OR 4461 JR 4462 LEST1: BIT 4465 LEST1: BIT 4466 ADD 4467 JR 4468 JR 4470 SIGNAL\_MATCH: 4471 SIGNAL\_MATCH: 4471 SIGNAL\_MATCH: 9111

1006 1006 1006 100A 100A 100B 100C 20F8

EOT, [HL] NZ, SIGNAL\_FALSE NL, DE

MZ, TEST1

cloop to match timer table to desired timer check for end of table

If so then return a not done Now index to next timer Decrement to the timer desired If not a timer desired timer then go back

Here with a timer match

100E CB6E 100E CB6E 10E0 2004 10E2 CB7E 10E4 2003

FREE, IHL]
NZ, SIGMAL FALSE
DONE, IHL]
NZ, SIGMAL TRUE

4475 SIGNAL FALSE:

TEST EXIT

If so then go return a True Here to return a false for either a not done or non existent timer. Put a false in Acc Check for timer done

64, 16:20

5

LOCATION OBJECT CODE LINE SOURCE LINE

;BITS IN STATUS WORD TO CHECK ;WHETHER DEVICE IS ACTIVE	;OFFSET TO CONTROLLER MEMORY ;BIT MASK IN PLAYER STATUS ;FOR SEGMENT O OR 1 DEVICES ;OFFSETS TO DEBOUNCE STATUS ;BUFFER: (OLD,STATE)	;MASK FOR INPUT DATA BYTE	EQU 73FH ; DB   POSSIBLE DEVICES   EQU 08EH ; DB   EQU 08FH ; DB   EQU 06FH ; DP   EQU 06FH ; DP   EQU 0FH   EQU 0FH   EQU 0FH   EQU 06FH   EQU 0	DELAY 10 MACRO CALL DELAY MEND  ** DECODER TABLE FOR THE KEYBOARD DEC_KBD_TBL  DEFEB 6
0-084	2 7 07H 0 18H	2 4 4 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	73FFH 00EH 00FH 00FH 0FH 00COH	KEYBOARD  WULL   16   17   17   17   17   17   17   17
OFTWARE EQU EQU EQU		888888888888888888888888888888888888888		AY 10 MACRO CALL DELAY MEND DECODER TABLE FOR THE KEYBOARD DEFR KBD NULL DEFR 6 DEFR 6 DEFR 9 DEFR 9 DEFR 9 DEFR 9 DEFR 9 DEFR 9
CONTROLLER SOFTWARE FIRE JOY SPIN EQU SOL SPIN EQU ARM EQU			STACK	
4502 4502 4503 4503 4503 4503 4503 4503 4503 4503			653 653 653 653 653 653 653 653 653 653	<b>25.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.</b>
6000 6000 6000 6000 6000 6000		60005 60005 60005 60006 60006 60066 60066 60066 60066 60066	\$6000 \$6000	
			.i.	1065 0F 1065 0F 1066 06 1067 01 1069 09 1068 03

AL Fri, 18 May 1984	ie.													RESET																									•												
1982 CONFIDENTIAL														· IMITIALIZE COMTROLLER TO STROBE RESET							BUFFER																		DELAY AFTER STROBE, BEFORE READ											THEN READ PLAYER I	
HEWLETT-PACKARD: CONTROLLER SOFTWARE (c) Coleco, 1982		· MILL FAIDY	. 121	, 66661	171	· NIII ENTDY		,7: ;		; WULL ENTRY		dereses es	LINE GE INI	· INITIALIZE CON	١١,٨	**************************************	K MAP]				CLEAR CONTROLLER MEMORY AND DEBOUNCE STATUS BUFFER										₹,•								:DELAY AFTER S				CONTROL ED MINABED	NOTICE MOUBEN	RAW DATA					•	
CONTROLLER SOF	200	- May 1	3,		- 1	NBO WILL	١,	7 7		KED MULL		************		9	ISTRB RST PORTI, A		_	×:		B. MUM DEV"2	OLLER MEMORY AM	5. 0.0000000000000000000000000000000000	V, [0+X]]	V 10*A11	. ede			-	NZ,CINIT1	ING VARIABLES	A LTD CALL STATE	150 C01 A	(SO C11, A	[S1 C0], A								CONTROLLER READ ROUTINE	Tarrel .	CUIPUI						NZ, CONT READ1	* It I
EWLETT - PACKARD:	SOURCE LINE	0250			9230	0000	9 2 2 2	00.00	95.50	DEFB		***********		THI ON LEG INI	001	XOK	2	JN.			•	CINITI				2	JMC	750 10 11 11	5	" CLEAR REM.	2 5		й			RET			CSOO DELAY MOP	RET	*		: : :		•	•	COMT READ	-		¥ :	
-	LINE		100	4220	4004	200	000	700	77.7	56.	4566	4567	4568	4269	575	4572	4573	4574	5757	457	4578	4579	4580	000	7004	4584	4585	4586	4587	4586	450	200	4592	4593	4594	4595	4590	1454 1454	7200	7600	1003	7602	5005	1007	999	4,607	6097	4610	4611	4612	Ī
ILE: 05_7PRIME:p0S	OCATION OBJECT CODE LINE			_						20.50				1011	1105 03C0	1107 AF			110€ 0023	1116 060A			200	- T	00//01 BITT	1120 507700		1125 05	1126 20EE		- 1	1128 32/36	1111 12736			113A C9				135.53							1110		113E FE00		1142

HEWLETT-PACKARD: COMIROLLER SOFTWARE (c) Coleco, 1982 CONFIDENTIAL

FILE: 05 TPRIME: pos

1144 1802 1146 DBFF 1148 ZF 1148 ZF

8

PAGE

CONPLEMENT DATA SO 0=NO DATA READ SECMENT O, BOTH PLAYERS READ SEGMENT 1, BOTH PLAYERS GET DATA ADDRESS OF SPINNER 0 COUNT RESET TO SEGMENT 0 STROBE SEGNENT 1 : MAIT 10 MICROSECS ELSE SPINNER 0 IF BIT 5 IS SET THEN SPINNER 1 IF INT BIT SEI UPDATE SPINNER UPDATE SPINNER SWITCH ROUTINE CONT SCAN ISO C11, A IST CTI, A IST PORTI, A (S1 C0),A A, [CTRL\_1\_PORT] 4614
4615 CONT\_READ1
4616
4616
110 A, ICTRL\_1\_PORT]
4618
4621
4622
4621
4623 \*\* CONTROLLER SCANNER ROUTINE
4624 \*\*
4625
4626 CONT\_SCAN
4627
4626
4627
4629
4630
10 1SO CO1,A
4630
4633
10 1SO CO1,A
4633
10 1SO CO1,A
4634
4634
4635
10 1SO CO1,A
4636
10 1SO CO1,A
4637
10 1SO CO1,A
4637 [S0 C0],A A, [CTRL 1 PORT] A, [CTRL 0 PORT] A, [CIRL\_1\_PORT] A, ICTRL 0 PORT) 11 A, IC CPL (SO CPL))))))))))))))))))))))))))))))))) 4646 \* UW 4647 \* 4648 \* 4650 4650 4651 4652 4653 UPDATE\_SPINNER 4654 1N A 4655 4655 4655 4655 SOURCE LINE \* 5793 LOCATION OBJECT CODE LINE

114A DBFC 114C 2F 114C 2F 115O 3273EF 115O DBFF 115S 2F 115S 00113B 115B 00FC 115B 00FC 115B 2F 115B 273F0 115C 3273F0 116C 3273F1 116C 3273F1

C01138 Defc 2F 3273F0 Deff

THEN GOING RIGHT ELSE LEFT DECREMENT SPINNER COUNTER GO CHECK SPINNER 1

DBFC 2173EB CB67 2008

22225

1177 35

CB6F 2003

21 K

1178 DBFF 1170 CB67

117A 117A 34

RIGHT, INCREMENT COUNTER

COOK AT SPINNER 1 DATA

65																																																		
		THEN NOT SPINNER 1	; ELSE SPINNER 1, BLMP HL	FRIT S 18 SET		; ELSE LEFT	; DECREMENT SPINNER COUNTER			;RIGHT, INCREMENT COUNTER					中国有效企业企业有效的现在分词 医有效性病性	DEBOUNCED DATA							SEGMENT 1	ARM	KBO						; IF L=1 THEN DECODE SEGMENT 1			SPINNER					; IF PLAYER=0 THEN GO DECODE		SELSE INCREMENT BC TO SPINNER 1	RETURN II IN F	4	CLEAR OUT SPINNER SWITCH COUNT	33. 19	GET OTHER DEVICE DATA FOR PLAYER	HASK OUT JOYSTICK DAIA			HASK OUT FIRE BUILDN DATA
	<u>u</u>	NZ, UPDATE SPINX	# 10 E	5.4	MZ, UPDATE_R1		UPDATE SPINX	SPINNER SUITCH		. (H.)				.01	DECODER ROUTINE	E RETURNS DECODED RAN. UMS	AND MAY OR MAY NOT BE REQUIRED BY 0/S		INPUT:	H · COMTROLLER MANBER	L · SEGMENT INDIBER	ourru:	35	BYTE 1	E - BYTE 3 SPINNED	2		GLB DECODER		۸,۱	STROBE SET	Z,DEC_SEG1	SECMENT O LEIDE BUTTOM LOYSTICKY	RETURN H=FIRE BUTTON, L=JOYSTICK, F=SPINNER		IRST	BC, SPIN SWO CT	У,н	CONTROLLER		A CRC1	E.A		(BC),A		L COMI READ		_		FIRE MASK
	SOURCE LINE	*	INC HL * CHECK DIRECTION	118	4	,50	3 %	*** RIGHT SP	UPDATE R1	INC	UPDATE SPINX	RET			**********	THIS ROUTIN	AND MAY OR		¥.			3							4701 DECODER	2	<u>ئ</u>	<b>S</b>	SECHENT O	RETURN H=FI		* DO SPINNER FIRST	9	9	8	۳ :	4715 DEC PLYR INC		XOX	97		CALL	AND	g <sub>1</sub>		ONV VND
	LINE	4670	1671	1,67	7297	500	4677					700	600	5897		. 1895	. 9995	6897	0697	* 1693	7695	4693	1004	2007	7097	8697	6697	4700	4701 0	4702	4/03	. YOU	707	1027	£ 708 ·			4711	4712	57.13	4715 D	4716	4717	4718	6116	02/5	4722	4723	47.74	4726
	LOCATION OBJECT CODE LINE	117F 2009	1181 23	1182 CB6F		31 7011	1187 1801		1189	1189 34	184	18 <b>4</b> C																10 S				118£ 201A					1190 0173EB			136 2801	199 04			11% 02		2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	11A1 E60F			11A5 E640

16

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fri, 18 Nay 1984, 16:21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; THEN MUST BE STATE 1
; ELSE
; GET CURRENT DATA
; IF OLD=NEW
; THEN SAW DATA TWICE IN SEQUENCE
; ELSE FIRST TIME, SAVE CURRENT DATA
HEWLETT-PACKARD: CONTROLLER SOFTMARE (c) Coleco, 1982 CONFIDENTIAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 B, (ITY+KBO OLD) ; GET OLD DATA AND CURREN STATE
                                                                                                                                                                                                                    SAVE DATA
IF ARM BUTTOM NOT ACTIVE
THEN CHECK KEYBOARD
                                                                                                                                                A - DATA

B - DEVICE STATUS BYTE FOR CURRENT PLAYER

IX - POINTER TO CONTROLLER MEMORY

IY - POINTER TO DEBOUNCE STATUS BUFFER
                                                                                                                                                                                                                                                                                                            HEN EXIT DECODER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; MASK OUT VALID DATA
; SAVE IT
                                                                                                                                                                                                                                                                        DEBOUNCE ARM BUTTON
                                                                                                                                                                                                                                                                                                                                               DEBOUNCE KEYBOARD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         : IF STATE -> 0
                                                  CLEAR COUNTER
                                                                                                                                                                                                                                                                                                                                                                                                                                                         - RAW DATA
- CONTROLLER MEMORY POINTER
- DEBOUNCE STATE BUFFER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A,1 ;SET STATE=1
                                                                                               4645
4646 ** DECODER ROUTINE FOR SECHENT 1
4647 ** INPUT:
4648 ** INPUT:
4659 ** B - DEVICE STATUS B
4651 ** IX - POINTER TO CONT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            A, [IY+KBD STATE]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (IY+KBD OLD], E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       4894 SAN DATA THICE IN SEQUENCE
4895 KBD REG LD A,1
4896 LD (IY+KBD STATE)
                                                                                                                                                                                                                                                                                                                                                                                                                       * KEYBOARD DEBOUNCE ROUTINE
                                                                                                                                                                                                                                                                                                                      Z, DECODE 1X
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NZ, KBD ST1
                                                                                                                                                                                                                                               DEC KBD
                                                                                                                                                                                                                                                                      CALL ARM DBNCE
LD A,C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      KBO REG
                                                                                                                                                                                                                                                                                                                                              CALL KBD DBNCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          KBD MASK
                                              (HL),A
                                                                                                                                                                                 4852 - 17 - POI
4854 DECODE 1
4855 DECODE 1
4856 BIT ARM, B
4857 JR 2, DEC 1
4858 ARM BUTTON ACTIVE
4859 CALL ARM DB9
4860 DEC KB0 LD A, C
4864 BIT KBD, B
4864 KBD ACTIVE
4864 KBD ACTIVE
4865 CALL KBD, B
4864 KBD ACTIVE
                                                                                                                                                                                                                         C, A
                                                                                                                                                                                                                                                                                                             BIT K80,8
                                                                                                                                                                                                                                                                                                                                                                                                                                                IMPUT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PUSH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PUSH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AND
                         SOURCE LINE
                                                2
                                                                                                                                                                                                                                                                                                                                                                       REI
                                                                       RET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2225%
                                                                                                                                                                                                                                                                                                                                                                                                                     4871 * KEYBOARD
4872 * 4873 *
4874 *
4876 *
4877 *
4878 *
4890
4890
4891
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4888 * STATE =
                                                                                                                                                                                                                                                                                                                                                           4866 DECODE_1X
                                                            4842 DECODE OX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              4889
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          4890
                       LOCATION OBJECT CODE LINE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       4891
FILE: 05 TPRIME: pOS
                                                                                                                                                                                                                                                                     1244 CD 12E9
1247 79
1248 CB60
1244 2803
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1250
1250 C5
1251 D5
1252 E5
1253 E60F
1255 57
1256 F04608
1256 F0709
1256 F000
1256 F000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1260 78
1261 86
1262 2805
1264 F07308
1267 1810
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1269
1269 3E01
1268 F07709
                                                                                                                                                                                                                                                                                                                                             124C (201250
124F
124F (59
                                                                                                                                                                                                           123F
123F 4F
1240 CB58
1242 2804
                                               1256 77
1256 73
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THEN SAN DATA TWICE IN SEQUENCE SELSE FIRST TIME, SAVE CURRENT DATA
MENLETT-PACKARD: CONTROLLER SOFTWARE (c) Coleco, 1982 CONFIDENTIAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; SAVE IN CONTROLLER MEMORY AFIRE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     E,A ; SAVE IT ; SAVE IT B, IIY+FIRE OLD] ; GET OLD DATA AND CURRENT STATE A, LIY+FIRE_STATE]
                                                                                                                                                                                 D/E RAW DATA
COMPUTE ADDRESS INTO TABLE
DO TABLE LOCKUP
SAVE IN CONTROLLER MEMORY #KBD
                                                                                                                                                                                                                                                                                                                                                                                                  GET CURRENT DATA
IF OLD=NEW
NO CHANGE IN STATE
ELSE SAVE CURRENT DATA
SET STATE=0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Z, FIRE EXIT , NO CHANGE IN STATE (ITYFIRE OLD), E , ELSE SAVE CURRENI DAIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                THEN MUST BE STATE 1
                                                                                                                                                            DECODE TABLE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GET CURRENT DATA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GET CURRENT DATA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           - CONTROLLER MEMORY POINTER - DEBOUNCE STATE BUFFER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; SET STATE=1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             IF OLD =NEU
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (IY+FIRE STATE),A
(IX+FIRE),E ;S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             4938 JR Z,FIRE REG
4939 LD [IY+FIRE OLD], E ; 6
4940 JR FIRE EXIT
4941 * SAW DATA TWICE IN SEQUENCE
4942 FIRE REG
4943 LD A,1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LITTERE STATEL, A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              [1] +KBO STATE],A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         4919 * FIRE BUTTON DEBOUNCE ROUTINE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (IY+KBD_OLD),E
                                                                                                                                                      HL, DEC_KBD_TBL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      - RAW DATA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NZ, FIRE ST1
                                                                                                                                                                                                                H, DE
A, [HL]
[IX+KBD],A
KBD_EXIT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      KBO EXIT
                                                                                                                              DECODE KEYBOARD DATA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A,E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         IMPUT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PUSH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PUSH
                                                                    SOURCE LINE
                                                                                                                                                                                                                                                                                                                                                                                                       284282
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          P 00 0
                                                                                                                                                                 228225
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        4935 * STATE =
                                                                                                                                                                                                                                                   4902
4903
4905 • STATE =
4906 KBD_ST1
4906
4908
4909
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  4948 FIRE ST1
4949
4950
4951
4952
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             4913 KBD EXIT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      4910
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       9167
                                                                    SCATION OBJECT CODE LINE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                4912
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; IF STATE <> 0
; THEM MUST BE STATE 1
; ELSE
; GET CURRENT DATA
; IF OLD=NEW
; THEN SAW DATA TWICE IN SEQUENCE
; ELSE FIRST TIME, SAVE CURRENT DATA
HEWLETT PACKARD: CONTROLLER SOFTWARE (c) Coleco, 1982 CONFIDENTIAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LUT MASK ; MASK OUT VALID DATA
E.A ;SAVE IT
B.(ITY-JOY OLD) ;GET OLD DATA AND CURRENT STATE
A.(ITY-JOY_STATE)
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1, GET CURRENT DATA

2, JOY EXIT

1, NO CHANGE IN STATE

(IY+JOY_OLD),E

1, ELSE SAVE CURRENT DATA
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IX - CONTROLLER NEWORY POINTER
IY - DEBOUNCE STATE BUFFER
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(IY+JOY STATE), A
(IX+JOYT E
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[IY+JOY OLD], E
JOY EXIT
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SOURCE LINE

LOCATION OBJECT CODE LINE

Coleco, 1982 COMFIDENTIAL Fri, 18 May 1984,	5117 * 0000H-17fFH PATTERM GENERATOR IABLE 5118 * 5119 5120 ************************************	IERN GEN TABLE ************************************	; POINT TO TABLE OF PTN GEN NUMBERS; ITEM LOCATION IN VRAM PATTERN GEN TABLE; SAVE LOCATION OF CURRENT CONSTRUCTION; SAVE VRAM ITEM #	; HAVE WE PROCESSED ALL GENERATORS?; YES. WE'RE ALL DONE; NO. B=MUNBER FROM OBJ_TABLES; POINT TO ROM GENERATOR TABLE; WE'RE GOING TO ADD B FOR EVERY; GENERATOR INTO THE ROM GEN TBL	; RESIORE LIEM # IN VRAM ; SAVE IT ; HUMBER OF GENERATORS ; PATIERN GEN TABLE CODE ; HL=ROM ADDRESS ; RESTORE LIEM # IN VRAM ; RESTORE CONSTRUCTION ADDRESS ; SET UP FOR NEXT LIEM	; KEEP GOING UNTIL DONE ; GOT TO POP FOR EVERY PUSH ; HOP AROUND ADD_B ; POINT TO NEXT GENERATOR
HEWLETI-PACKARD: DISPLAY LOGO (c) Coleco, 1982 SOURCE LINE	OOOOH 17FFH PAIT	5125 DISPLAY LOGO LD HL,0 5127 LD DE,16384 5128 LD A,0 5129 CALL FILL_VRAM_ 5130 CALL MODE 1 5131 CALL MODE 1 5133 CALL MODE 1 5133 CALL MODE 1 5134 CALL MODE 1 5135 CALL MODE 1	WRITE OUT ASCII GENERATE CALL LOAD / CALL LOAD / WRITE OUT GRAPHICS GENEF LD HL, 08J J ITE_LOOP PUSH HL PUSH DE CALCULATE GENERATOR LOCY	5146 CP OFFH 5147 JR 2, DONE LOGO 5148 LD B,A 5149 INC B 5150 LD HL, LOGO GEN 5151 LD DE,B 5152 ADOR AD JUSTING ROM GENERATOR ADDRESS 5155 ** DOME AD JUSTING ROM GENERATOR ADDRESS	POP DE PUSH DE LD 17,1 LD A,3 CALL PUT_VRAH POP DE POP HL INC DE INC DE	0001
E LINE	5117 5118 5119 5120 5121 5122 5123 5123	225 2132 2132 2133 2134 2134 2134 2134 2134	244 244 244 244 244 244 244 244 244 244	E 50	2001 E	
FILE: 0S_TPRIME:pOS LOCATION OBJECT COD	65	1319 210000 131C 114000 131F 3E00 1321 CD1804 1324 CD18E9		1333 FEFF 1335 2818 1336 04 1338 214 1335 1100 1337 1015		1350 180E 1352 D1 1353 E1 1354 1803 1356 19 1357 18E6

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CONFIDENTIAL		IE TABLE ******************		WRITE OUT TOP HALF	or coccovision			THE STATE OF THE STATE OF	OF COLECOVISION					MI TIM STITUTE						; WRITE OUT C 1982 COLECO					ABLE THEFTHEFTHEFTHEFTHEFTHEFTHEFTHEFTHEFTHEF						计数据存储器 化硫酸铁 医电影						; IF A CARTRIDGE IS PRESENT	; LOCATION BOOOH WILL = DAAH	; AND 8001H WILL = 55H	, NOI PRESENT			E.	; NOT PRESENT			
HEWLETT-PACKARD: DISPLAY LOGO (c) Coleco, 1962	SOURCE LINE	**************** WRITE OUT PATTERN NAME TABLE	WRITE OUT PATTERN NAME TABLE	LD OF 133	10 17,22	LD A,2 .	CALL PUT_VRAN	LD HL LOGO NAMES+22	LD DE, 165	LD 17,22	CALL PAIT VOAL	בארך גמו הונאו	*	LD HL, TRADEMARK	LD DE, 155	2,1 01	CALL PUT VRAM		STYO SET UP DEFAULT COPYRIGHT MESSAGE	10 DE 482	LD 17,13	LD A, 2	CALL PUT VRAM	THE GOING THE STICK SECTION	WILL OU LOLOK AME IABLE TREETERS	LD ML, LOGO COLORS	LD DE, 0	7, V 01	CAL PIT UBAN	CALL FOLLWAN	вевникательная праводника в ENABLE DISPLAY жазаваника павана праводни	* ENABLE DISPLAY	1,8 61	CALL UNITE BESISTER	STEE WILL ALGISTER	TEST	НО ИГ, ВОООН	CD A, (MC)	ID N7 NO CADIDIDE	INC HI	LD A, [HL]	СР 55н	JR NZ, NO_CARTRIDGE		* DISPLAY GAME TITLE	LD HL, GAME NAME	
ø:		5174 ****		5178		5180	5181	5183			5187	5188	5189	5190	5191		5194	5185	5196 * SET	5198	5199	5200	5201	5203		5205	5206	2008	5209		5211 *****		5214	5216	5217	5218 * CARTRIDGE	5220	5221	5222	5223	5224	5225	5226				
FILE: OS_TPRIME:pos	LOCATION OBJECT CODE LINE		1150 211220		135F F0210016		Section Cost	1368 211463		1305 10210016	1374 CD 1FBE			1377 2114C1	1374 110098		1383 CO 1FBE		1386 211484	1369 1102AA	138c F0210000		DAZ COLLEGE			1395 211438	1390 110000						1344 0601	13A8 CD1FD9		1348 218000						1385 FESS	1387 20%0			1589 218024	

HEVLE	UCATION UBJECT CODE LINE SUURCE LINE	5231 CALL PARSE	S232 LD DE, GAME NAME	53% Call Clark Service Services	5235	SOLA MISPIAN COMPANY MAME	5237	5238	0520			5241 LD E,L	5242 CALL PARSE	5243 LD HL,449	5244 CALL CENTER PRT		5246 * CHANGE DATE	5248 CALL PARSE	4576	5252 ID DE 684	5253	5254 LD A.2	5255	5256 5257 # Alenia v 10 creams	5257 * DISPLAY 10 SEC	10.2	5260 * TURN OFF DISPLAY		5262		2503 - EXII LOGO			5269 * WRITE OUT	5270 NO CARTRIDGE LD HL, LOGO NAMES+44	5271 LD DE, 426	2/70	5271	5276 ID HI 10G0 MANES+57	5277 LD DE 484	IA 5278	5279 LD A.2	5280	5281	5282	2,283	7003
ME:pOS			1010			5236				ACC.	2540					5245	E-19	5014) <del>=</del> 83				omac S		5256	W. J. T.	10.2	5260	5261			5763		5268								<						1000
ILE: OS_TPRIME: pOS	SCOR MOTIVO	138C CD1946	1152 210201				13CB 218024			- 1					1307 001951			1350 031946				23	13EE CO1FBE		13F1 CD1968					1358 001509	1358 2AROOA	13FE E9			3300	WINT 2041	14.00 1507		140E 211486				141A CD1FBE		14 10 2114A0		71001643 2671