

Debug Windows users note:

设置完之后,Trace Set 窗口可以关闭也可以不关闭,点运行那个按钮(Debug Windows 左 起第一个按钮)才能跟踪,或者点复位那个按钮(Debug Windows 左起第一个按钮)然后 点运行那个按钮(Debug Windows 左起第二个按钮)。在 Debug 的过程中不要把 Debug Windows 关闭,否则不能跟踪。Trace Set 窗口中的"Enable"选项只是显示这个 break point 是 否使能,而且是反的,没勾的时候是使能,有勾的时候是禁止。

Debug 菜单

🏶 EmuVT 1.2	6		
<u>F</u> ile <u>O</u> ption <u>B</u>	at Debug <u>H</u> elp	_	
	Trace		
	Extra Window 🔹 🕨	Main memory Viewer	
	Search (<u>I</u>)	SRAM Viewer	
	Compare(<u>C</u>)	PROM View	
	Cheat List Edit(S)		
	Apply Cheat (<u>A</u>)	VRAM View	
		PNT View	
		Pallete memory view	
		Sprite memory view	
		VROM View	
Trace	跟踪调试窗口		
Extra Window	内存查看器		
Search	主内存搜索查找		
Compare	主内存比较		
Cheat List Edit	金手指设置器		
Apply Cheat	金手指使能		





Trace 跟踪调试窗口 跳出当前子程序 跳过子程序单步 复位 断点数据载入 X S. LOG 记录程序运行 t } {} Ē Ξ {}**1** PC: F627 [07F627] 单步 设置断点 断点数据保存 30 运行 Α: Πć F608 F0BEO. \$0) Х: 00 运行到光标 δTA Y: 91 F60A 00 断点高级设置 C8 S: F60C INY FF Ĕ: D0 FB F60D -\$05 BNE24 INC F60F Ε6 0B\$0B Ι -> CA DEX F611 \$2100: 00 F612 D0 F6 BNE -\$0A \$2107: 00 CO 34 CPY #\$34 F614 108: 109: 00 F0 05 BEQ \$05 F616 寄存器显示区 00 F618 91 OA STA (\$OA),Y 210A: 00 F61A C8INY (10B: 00 F61BBNE -\$09 \$ 10C: \$2\0D: 当前运行位置(红色) 00 RTS F61D 00 B9 F61E FF LDA \$FFFF,Y \$210E: 00 F621 60 RTS \$210F: 00 JMP \$0000 F622 4C00 00 \$2110: 00 <u>F625</u> Α9 30 1DA #\$30 \$2111: 00 627 Α9 30 LDA # 30 \$2112: 00 30 F629 Δ9 LDA #\$30 \$2113: 00 F62B LDA #\$00 右键菜单 \$2122: 00 F62D STA \$2105 $\mathbf{D}\mathbf{D}$ \$2123: 00 F630 78 SEI Գ124։ 00 F631 A2 FF Step Into F5 125: 00 9A F633 126: 127: 128: 00 F634 E8 Step Over F6 00 F635 8A Step Out F7 0.0 F636 95 00 9D F638 00 Go F8 01 F63B 9D. 00 02 Run To Cursor F9. F63E 9D -00 03 9D. Insert/Remove Breakpoint F4 F641 00 04F644 9D. 00 05 A, UUCUÇ AIC 9D STA \$0600,X F647 00 06 STA \$0700,X 9D F64A 00 07 STA \$0800,X 9D 08 F64D 00 F650 9D. 00 09 STA \$0900,X

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按下"断点高级设置":

Irace Set	断点	列表,双击可以禁	禁止或使能	该断点		×
	ddress0	diress1	ValO	Val1	Com:	
						U P
						D O ₩ N
Code 01 BR	断点类型 EAL AT PRO	型选择组合框 M _	Enable	Data Typ C Do C Ho	e ec ex	
Begin Address		7F61E			00	
End Address		0000			00	
Comr 新建	赴断点 De	删除选定的断点 nete C	ilear	All Del	ete	

断点类型:

BREAK AT PROM BREAK AT ADDRESS BREAK IN ADDRESS BREAK IN PROM BREAK AT WRITE BREAK IN WRITE AT BREAK IN WRITE AT BREAK AT WRITE AT 运行到物理地址中断 运行到逻辑地址中断 运行到逻辑地址范围中断 运行到物理地址范围中断 写指定地址(寄存器)中断 写指定地址(寄存器)范围中断 以指定值写指定地址(寄存器)中断 以指定值写指定地址(寄存器)范围中断 以指定范围值写指定地址(寄存器)中断

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BREAK IN WRITE IN 以指定范围值写指定地址(寄存器)范围中断 BREAK AT READ 读指定地址(寄存器)中断 读指定地址(寄存器)范围中断 BREAK IN READ 读指定地址(寄存器)得到指定值中断 BREAK AT READ AT 读指定地址(寄存器)范围得到指定值中断 BREAK IN READ AT 读指定地址(寄存器)得到指定范围值中断 BREAK AT READ IN BREAK IN READ IN 读指定地址(寄存器)范围得到指定范围值中断 设定扩展 IRQ 中断断点 EXT IRQ BREAK NMI BREAK 设定 NMI 中断断点 **IRQ BREAK** 设定 IRQ 中断断点 SCPU IRQ BREAK 设定 SCPU IRQ 中断断点 TIMER IRQ BREAK 设定 TIMER IRQ 中断断点

举例:如果欲设置这样一个断点,当对\$200 到\$20F 范围有写操作,且写入的值为\$00 到\$7F 之间的任意值时。首先我们点 New 按钮,然后在组合框选择 "BREAK IN WRITE IN",代码是 25,在 Begin Address 中输入 200,在 End Address 中输入 210,选择 Hex 模式,在 Date 靠上的一个输入框输入 00,靠下一个输入框输入 80,这样就设置好了一个断点。

Extra Window 内存查看器

Main memory Viewer	主内存查看器
SRAM Viewer	扩充内存查看器
PROM Viewer	程序空间查看器
VRAM Viewer	PPU RAM 内存查看器
PNT Viewer	PPU PNT 内存查看器
Pallete memory Viewer	调色板内存查看器
Sprite memory Viewer	卡通内存查看器
VROM Viewer	PPU 点阵区查看



VT1682 Emulator Debug function introduction

	ainlenory	, Vi	ever		[0x(0000	00]														X
		00	00 55	F4	0F _00	$\frac{40}{00}$	00	08 00	00	00	00	BE 00	08 00	00	0A 00	00	00	:	0		^
-	十六进制显	示区	5,分	许	00 56	00 8D	00	00	00	30 00	00	00	00	3 n	400		<u>⊸</u> ⊐⊡		_ ,	ر ۶۵	J
-	直接修改原	值			00 C1	B6 00	E7 3F	00 C1	00 F0	00	00	01	00	4		。 100 00			;	?	
	000070: 000080: 000040: 000080: 000000: 000000: 000000: 0000E0: 0000F0: 0000F0:	00 00 00 00 00 00 00 00 00 40		00 00 00 00 00 00 00 00 00 00 00 00 00	_00 00 00 00 00 00 00 00 00 4C	00 00 00 00 00 00 00 00 00 00 00 00 00	00 00 00 00 00 00 00 00 00 00 00 00 00					00 00 00 color Goto find 00 00 00	00 00 00 • dis	00 00 00 splay	00 00 00 7	00 00 00 00 00 00 00 00 00 E4	00 00 00 00 00 00 00 00 00 00 4C		La	La	:
	000110: 000120: 000130: 000140: 000150: 000160: 000170: 000180: 000190: 0001A0:	48 00 00 00 00 00 00 00 00	24 00 00 00 00 00 00 00 00 00	00 00 00 00 00 00 00 00 00	00 00 00 00 00 00 00 00	00 00 00 00 00 00 00 00	00 00 00 00 00 00 00 00	00 00 00 00 00 00 00 00	00 00 00 00 00 00 00 00 00	00 00 00 00 00 00 00 00	00 00 00 00 00 00 00 00	00 00 00 00 00 00 00 00 00	00 00 00 00 00 00 00 00 00	00 00 00 00 00 00 00 00	00 00 00 00 00 00 00 00 00	00 00 00 00 00 00 00 00	00 00 00 00 00 00 00 00 00	н			>



右键菜单说明:

Color Display	以特殊颜色标示特殊的内容÷
Goto	跳到指定的内存偏移地址
Find	在当前内存区域查找内容
Dump	将当前内存区域内容以二进制或文本方式存到指定文件

Search 主内存搜索查找

Search		×
address	pre	value
Compare C < C > C = C != C Input C Relativity	Clear Undo Input Value(Dec) Search	ValueType DataSize O Dec Hex Hex Main SRAM Ext Close

这个功能类似于"金山游侠"或"FPE"之类的游戏工具,用来搜索找出特定内存单元的含义,比如做一些游戏的 HACK,我们需要找出游戏中"命"的数量是存在哪个内存单元,以便我们做出不死"命"的游戏版本来。