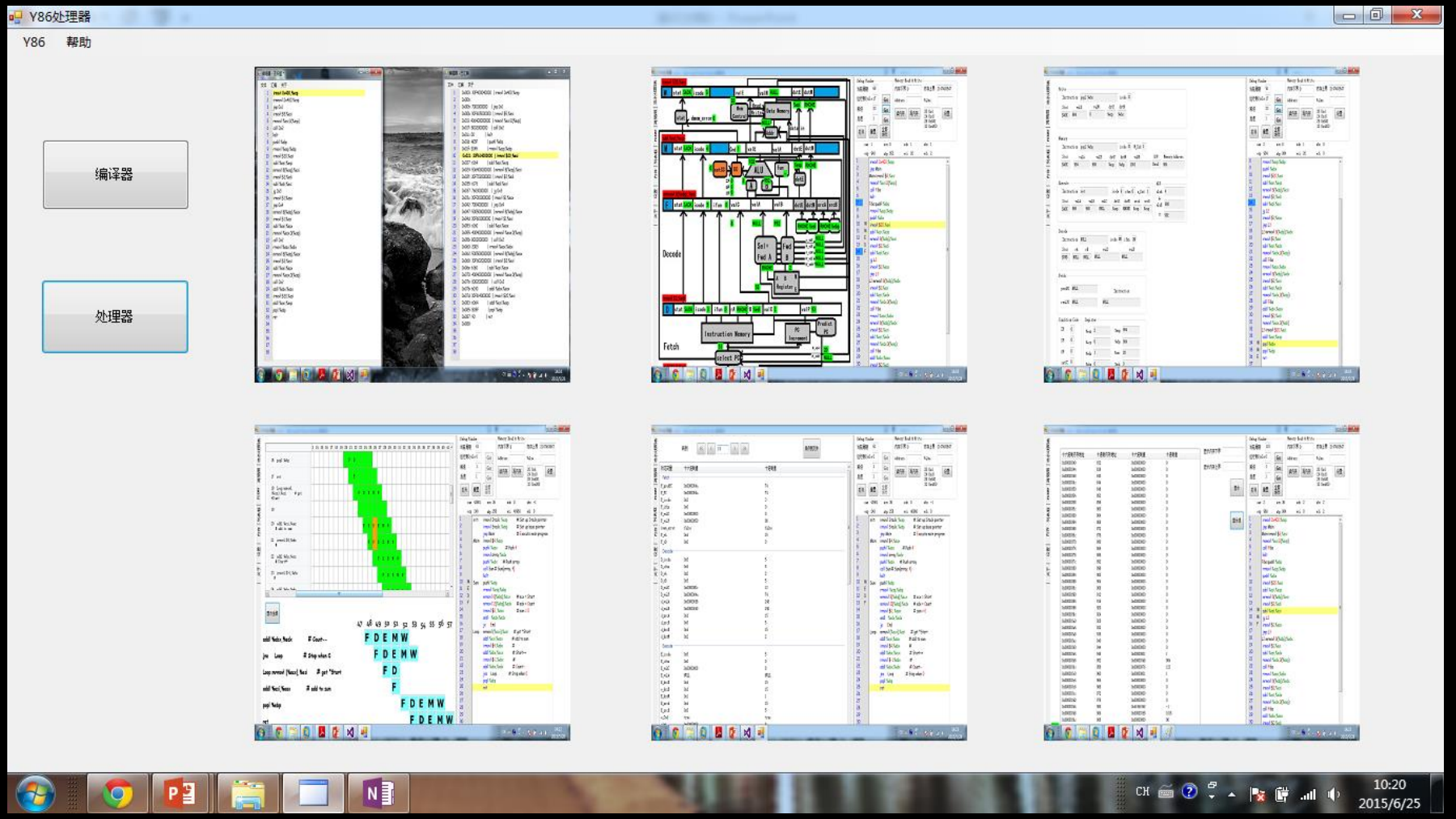
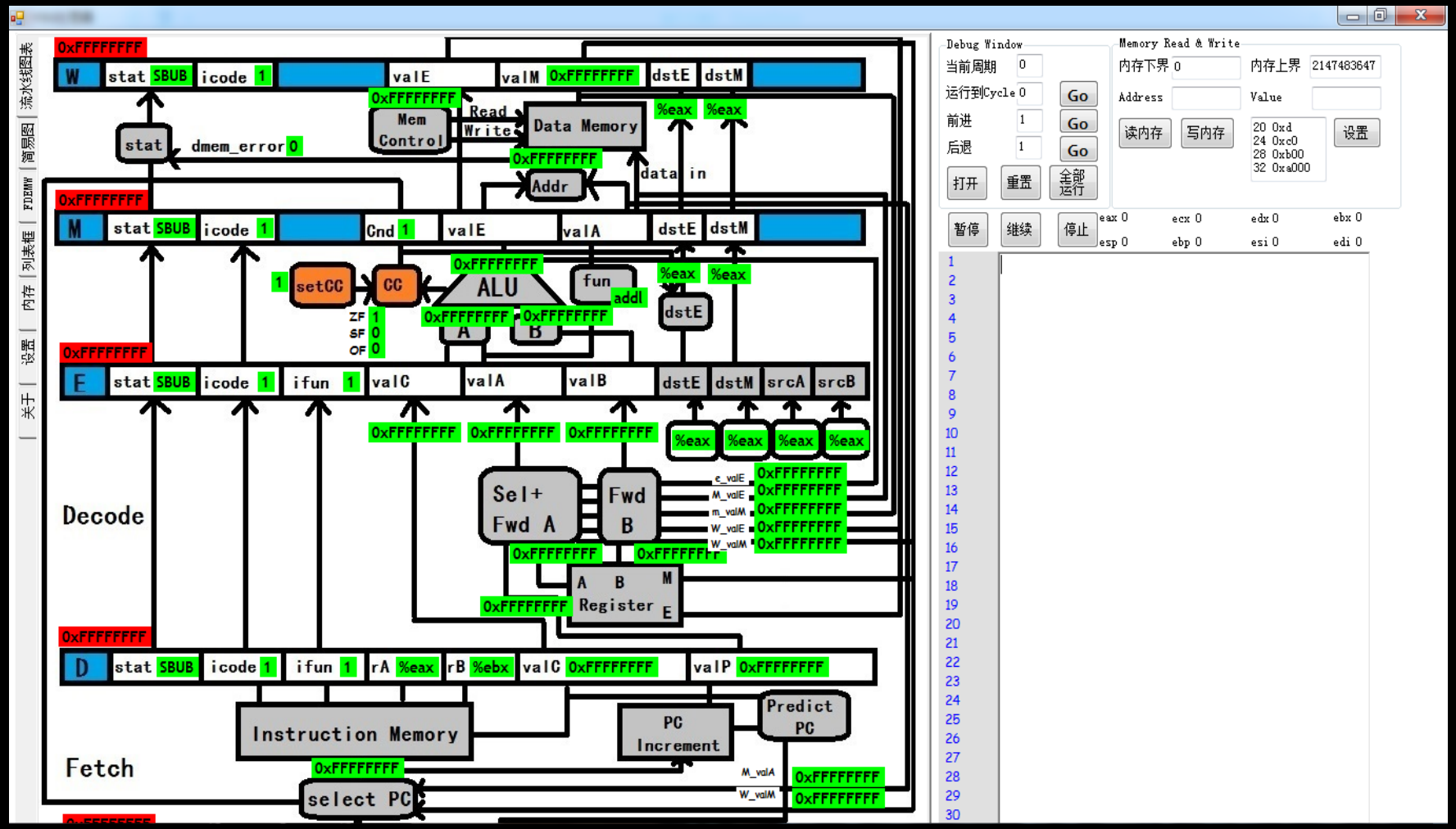
Y86 PJ Report

13307130173 万清甫

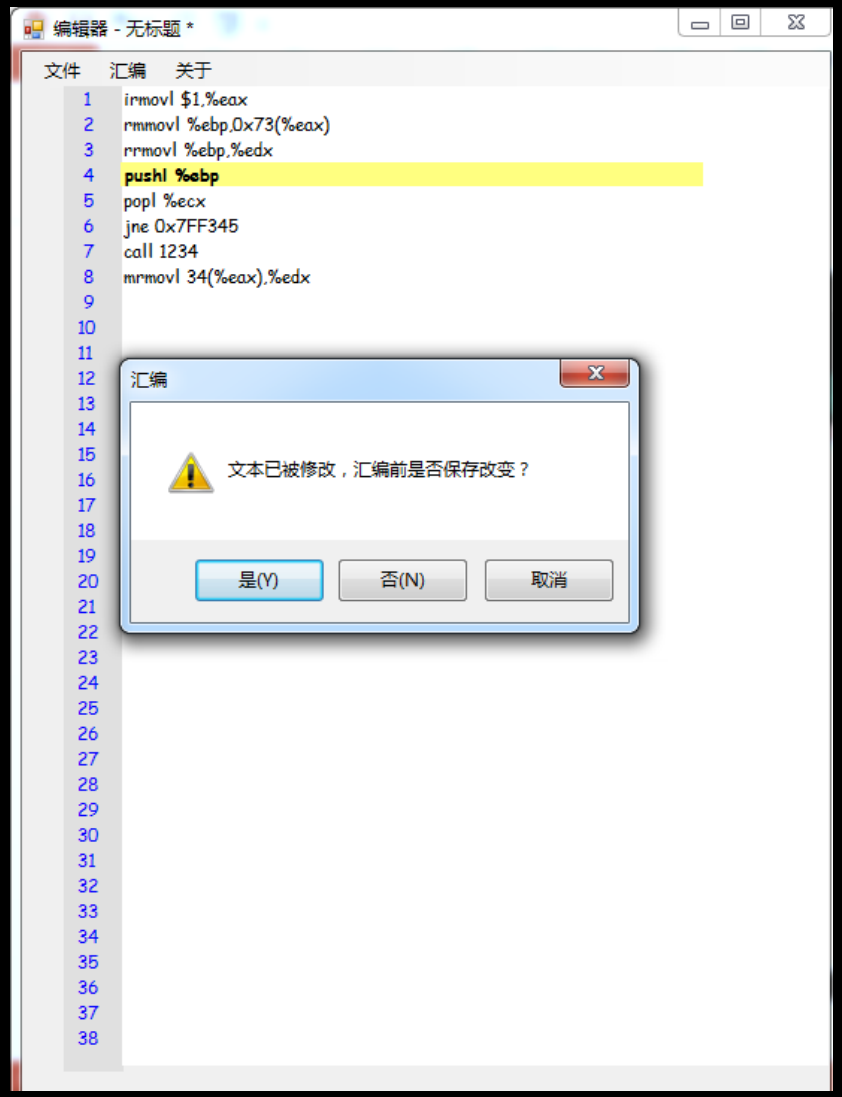
总览

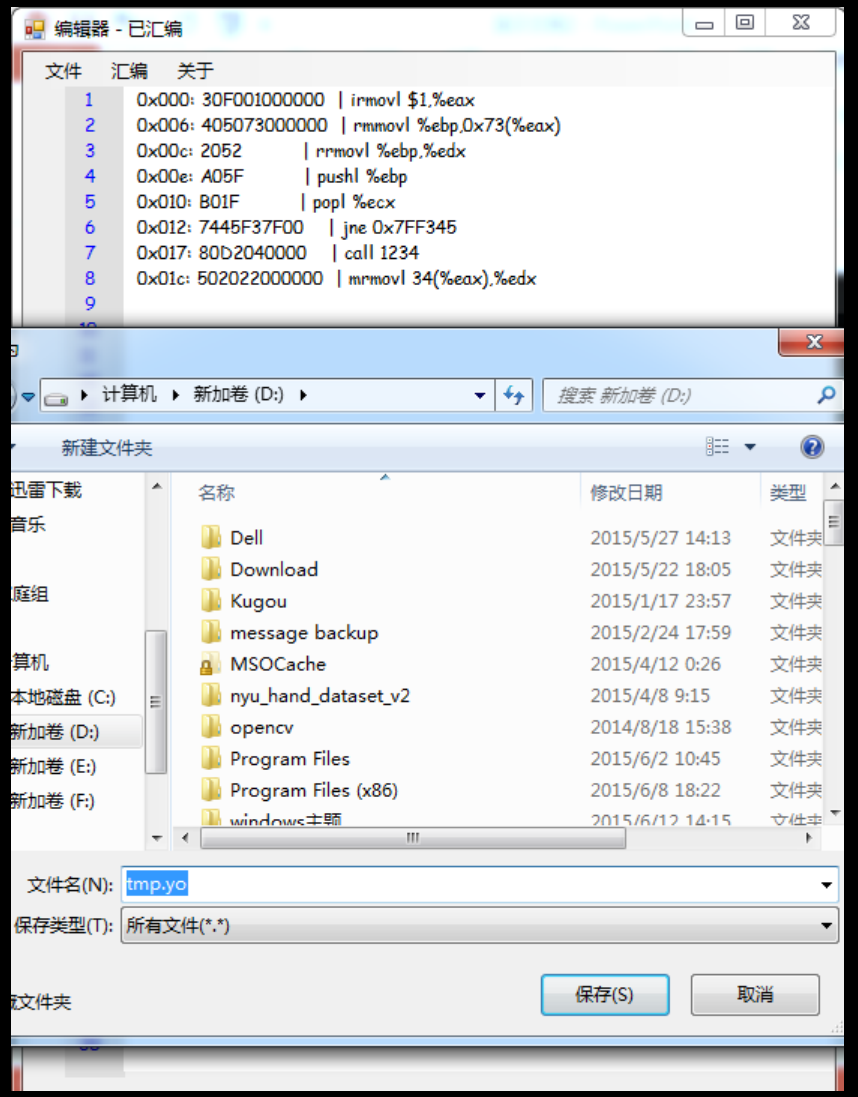

Y86处理器
Y86 帮助
编译器
处理器
Decode
Fetch
F D E M W
F D E M W
F D
F
F D E M W
F D E M W
CH
10:20
2015/6/25

总览


W stat SBUB icode 1 valE valM 0xFFFFFFFF dstE dstM
Mem Control
Read
Write
Data Memory
%eax %eax
stat
dmem_error 0
Addr
data in
M stat SBUB icode 1 Cnd 1 valE valA dstE dstM
setCC
CC
ALU
fun addl
ZF 1
SF 0
OF 0
A
B
dstE
E stat SBUB icode 1 ifun 1 valC valA valB dstE dstM srcA srcB
Decode
Sel+ Fwd A
Fwd B
e_valE
M_valE
m_valM
W_valE
W_valM
A B M Register E
D stat SBUB icode 1 ifun 1 rA %eax rB %ebx valC 0xFFFFFFFF valP 0xFFFFFFFF
Fetch
Instruction Memory
PC Increment
Predict PC
select PC
M_valA
W_valM
Debug Window
当前周期 0
运行到Cycle 0 Go
前进 1 Go
后退 1 Go
打开 重置 全部运行
暂停 继续 停止
Memory Read & Write
内存下界 0
内存上界 2147483647
Address
Value
读内存 写内存 设置
20 0xd
24 0xc0
28 0xb00
32 0xa000
eax 0 ecx 0 edx 0 ebx 0
esp 0 ebp 0 esi 0 edi 0

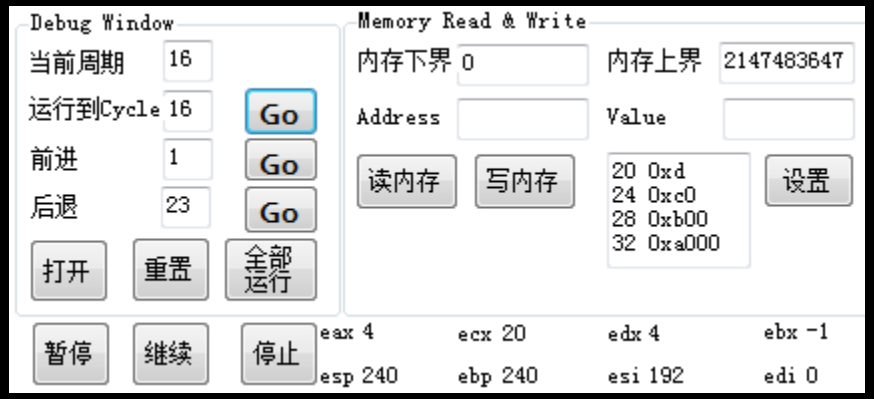
指令编码

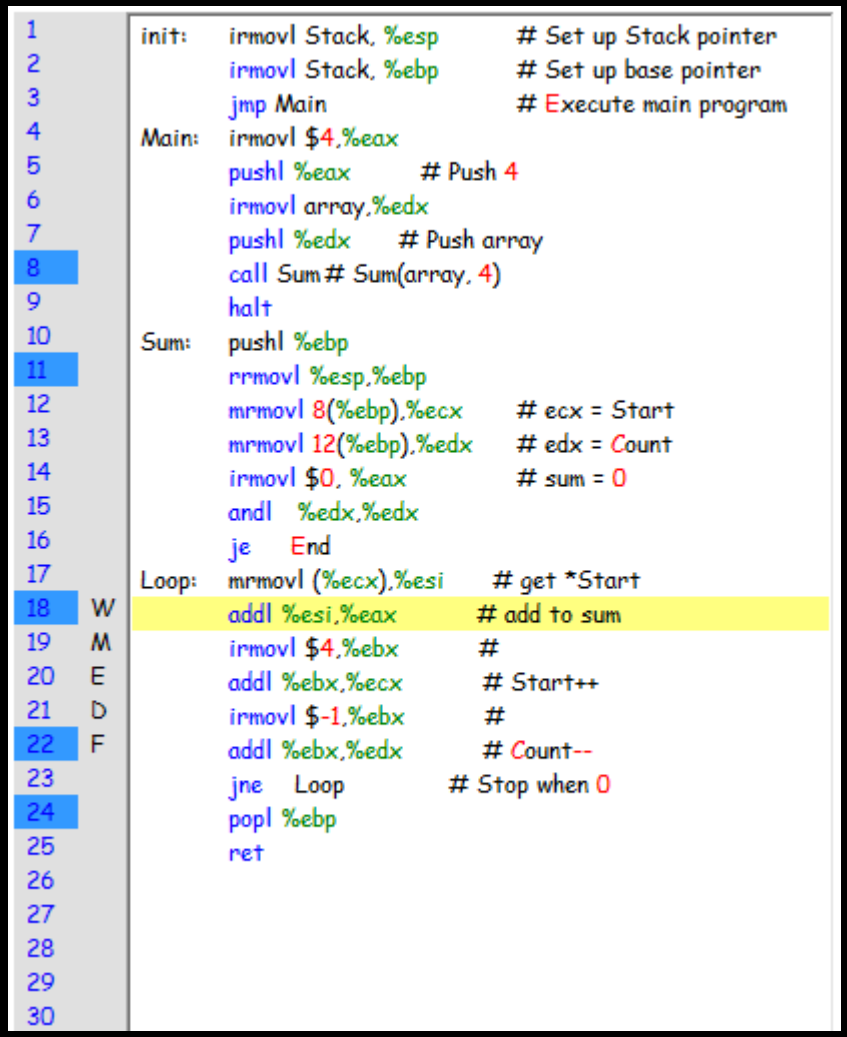

编辑器 - 无标题 *
文件 汇编 关于
1 irmovl $1,%eax
2 rmmovl %ebp,0x73(%eax)
3 rrmovl %ebp,%edx
4 pushl %ebp
5 popl %ecx
6 jne 0x7FF345
7 call 1234
8 mrmovl 34(%eax),%edx
汇编
文本已被修改，汇编前是否保存改变？
是(Y)
否(N)
取消


编辑器 - 已汇编
文件 汇编 关于
1 0x000: 30F001000000 | irmovl $1,%eax
2 0x006: 405073000000 | rmmovl %ebp,0x73(%eax)
3 0x00c: 2052 | rrmovl %ebp,%edx
4 0x00e: A05F | pushl %ebp
5 0x010: B01F | popl %ecx
6 0x012: 7445F37F00 | jne 0x7FF345
7 0x017: 80D2040000 | call 1234
8 0x01c: 502022000000 | mrmovl 34(%eax),%edx
计算机 ▸ 新加卷 (D:) ▸
搜索 新加卷 (D:)
新建文件夹
迅雷下载
音乐
庭组
算机
本地磁盘 (C:)
新加卷 (D:)
新加卷 (E:)
新加卷 (F:)
名称
修改日期
类型
Dell 2015/5/27 14:13 文件夹
Download 2015/5/22 18:05 文件夹
Kugou 2015/1/17 23:57 文件夹
message backup 2015/2/24 17:59 文件夹
MSOCache 2015/4/12 0:26 文件夹
nyu_hand_dataset_v2 2015/4/8 9:15 文件夹
opencv 2014/8/18 15:38 文件夹
Program Files 2015/6/2 10:45 文件夹
Program Files (x86) 2015/6/8 18:22 文件夹
文件名(N): tmp.yo
保存类型(T): 所有文件(*.*)
文件夹
保存(S)
取消

处理器

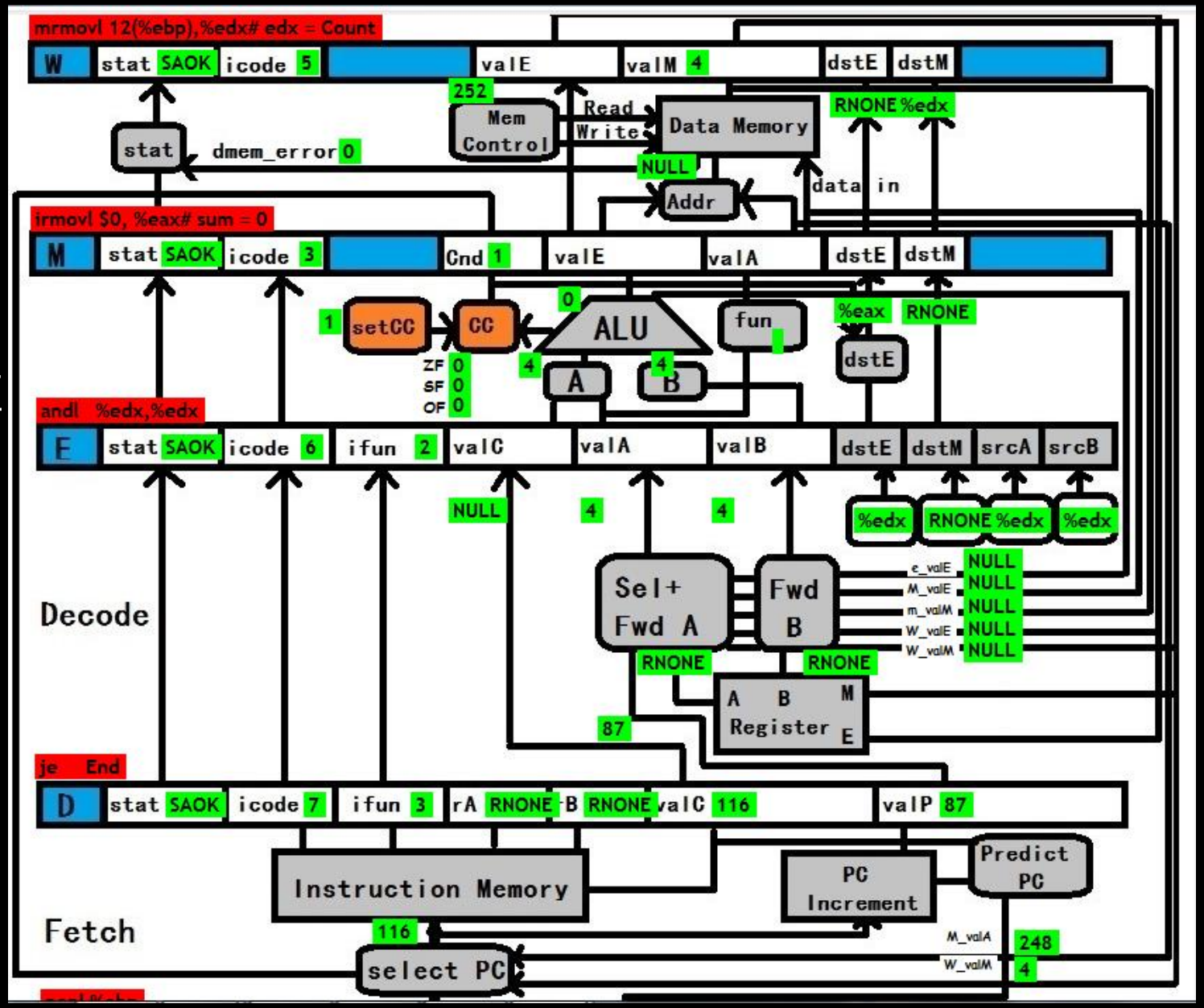
- 功能：
  - 全部运行
  - 运行到某一周期、前进后退若干周期
  - 设置多个断点，当处于F阶段的指令 in 断点集合 break





处理器

- 显示流水线运行过程
- 显示寄存器和各状态变量值
- 显示任意周期内状态变量的值
- 显示内存值 和 栈状态



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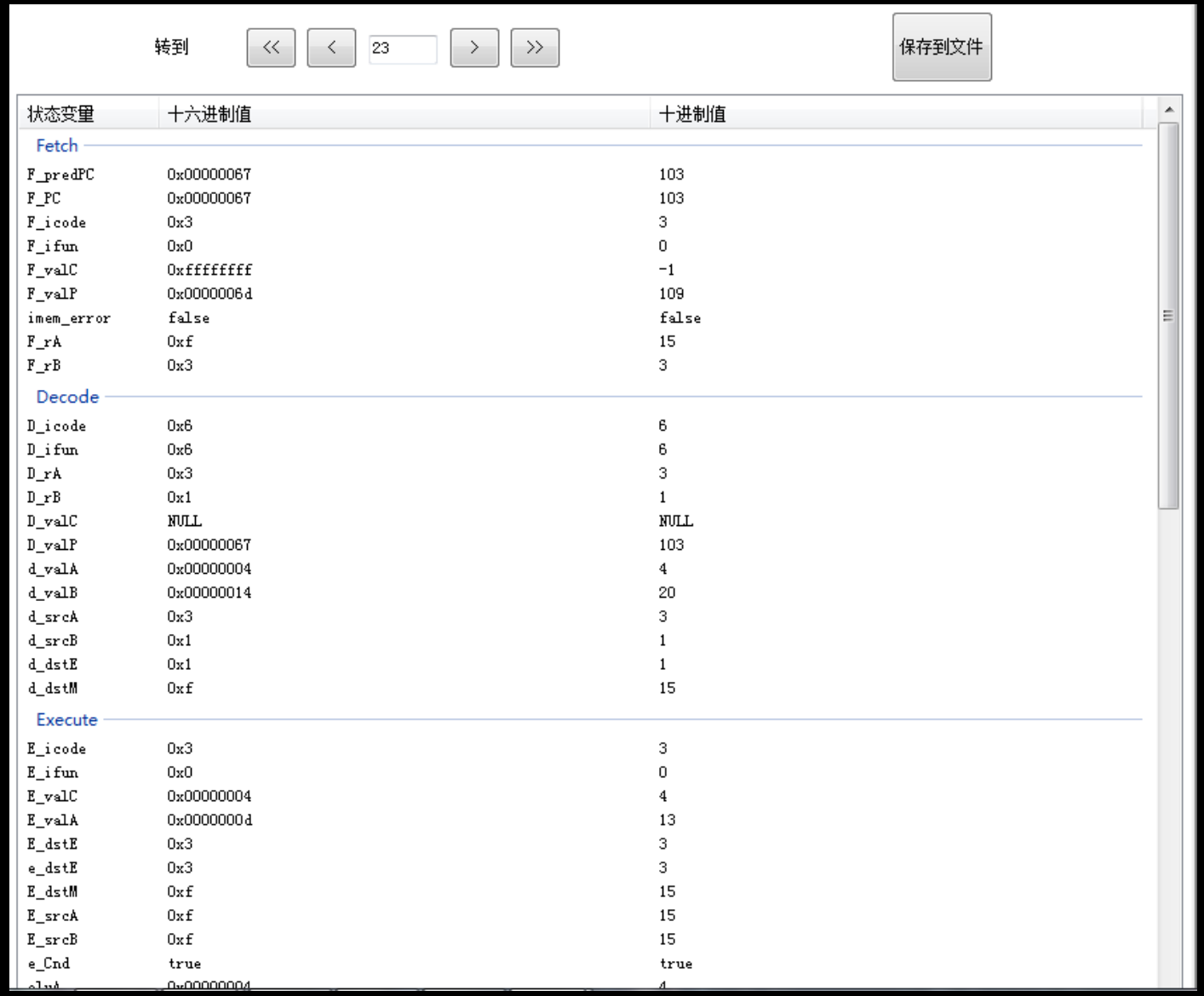

状态变量	十六进制值	十进制值
Fetch		
F_predPC	0x00000067	103
F_PC	0x00000067	103
F_icode	0x3	3
F_ifun	0x0	0
F_valC	0xffffffff	-1
F_valP	0x0000006d	109
imem_error	false	false
F_rA	0xf	15
F_rB	0x3	3
Decode		
D_icode	0x6	6
D_ifun	0x6	6
D_rA	0x3	3
D_rB	0x1	1
D_valC	NULL	NULL
D_valP	0x00000067	103
d_valA	0x00000004	4
d_valB	0x00000014	20
d_srcA	0x3	3
d_srcB	0x1	1
d_dstE	0x1	1
d_dstM	0xf	15
Execute		
E_icode	0x3	3
E_ifun	0x0	0
E_valC	0x00000004	4
E_valA	0x0000000d	13
E_dstE	0x3	3
e_dstE	0x3	3
E_dstM	0xf	15
E_srcA	0xf	15
E_srcB	0xf	15
e_Cnd	true	true
e_valA	0x00000004	4

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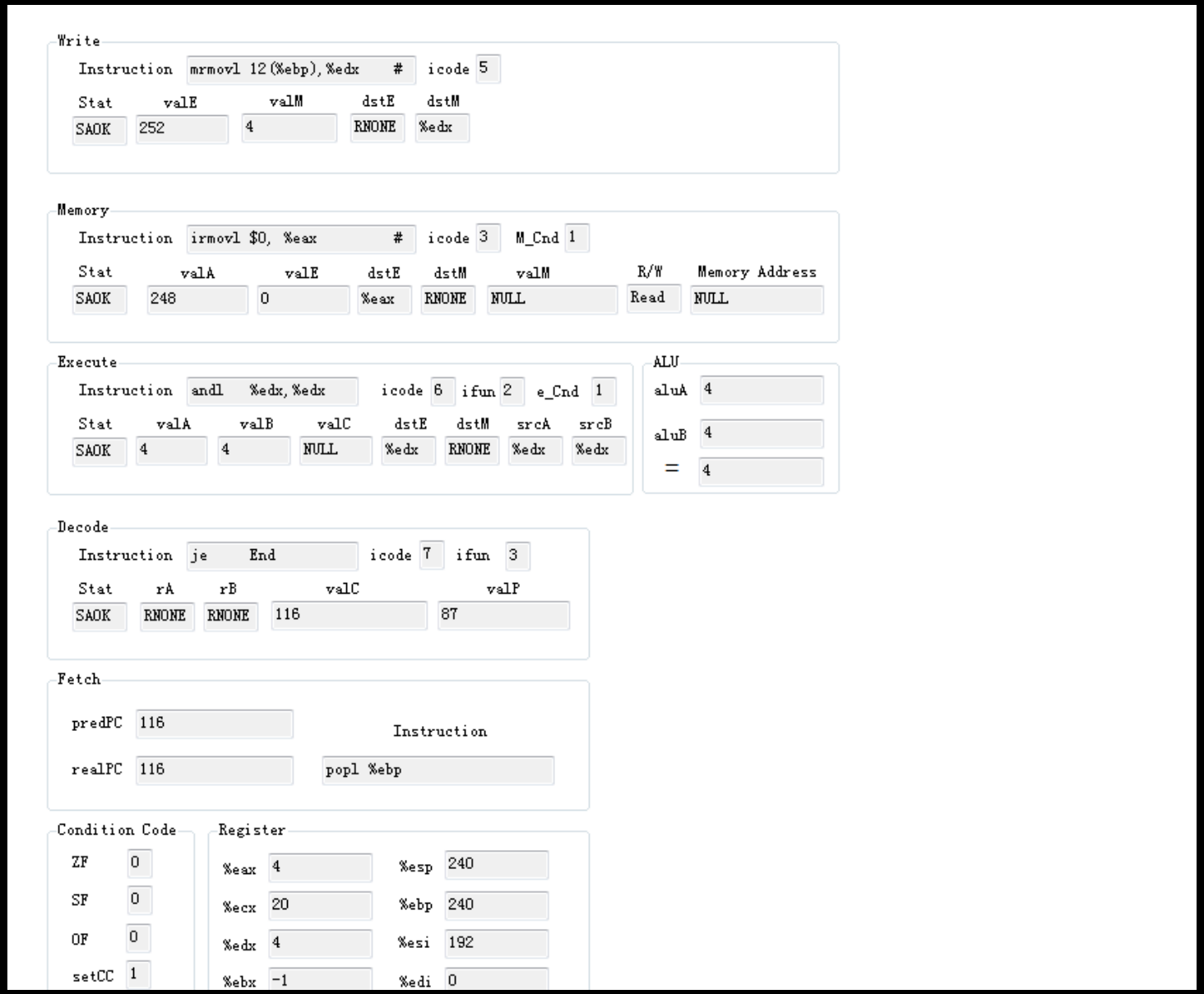

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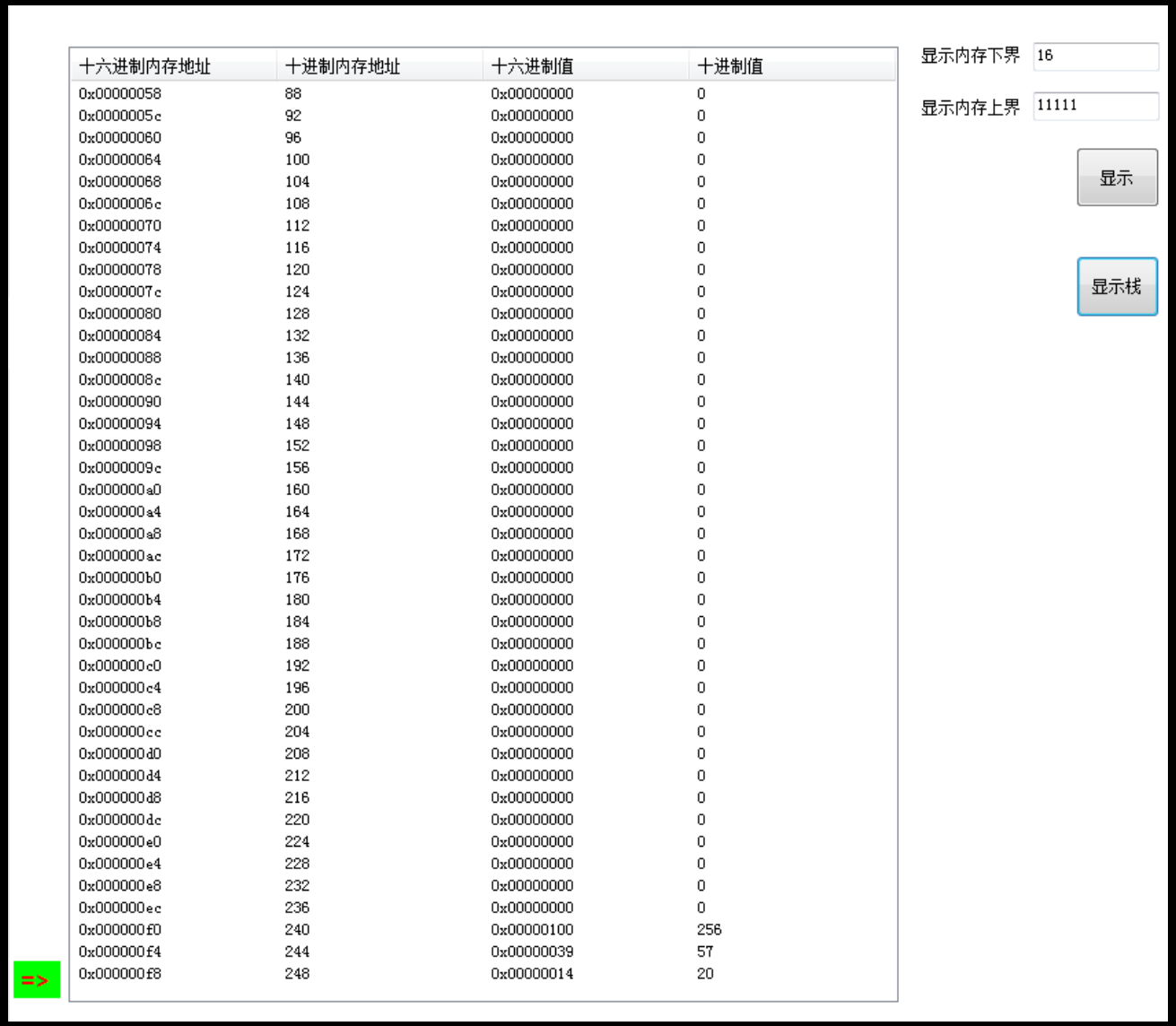
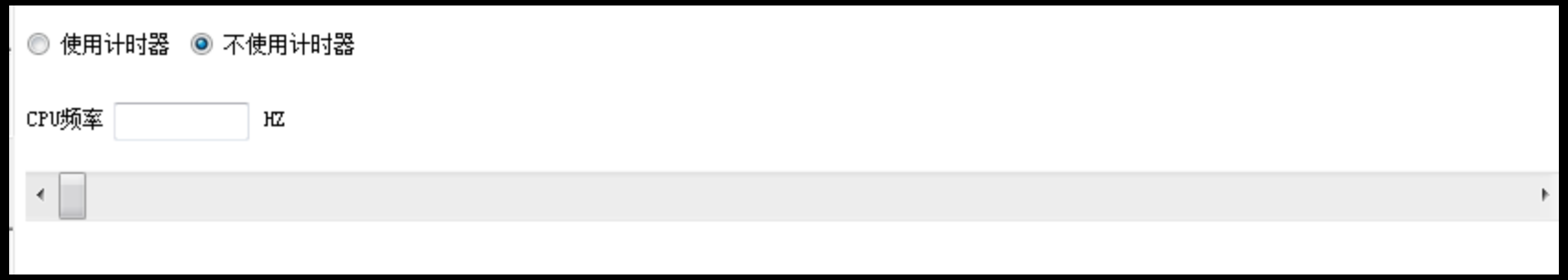


十六进制内存地址	十进制内存地址	十六进制值	十进制值
0x00000058	88	0x00000000	0
0x0000005c	92	0x00000000	0
0x00000060	96	0x00000000	0
0x00000064	100	0x00000000	0
0x00000068	104	0x00000000	0
0x0000006c	108	0x00000000	0
0x00000070	112	0x00000000	0
0x00000074	116	0x00000000	0
0x00000078	120	0x00000000	0
0x0000007c	124	0x00000000	0
0x00000080	128	0x00000000	0
0x00000084	132	0x00000000	0
0x00000088	136	0x00000000	0
0x0000008c	140	0x00000000	0
0x00000090	144	0x00000000	0
0x00000094	148	0x00000000	0
0x00000098	152	0x00000000	0
0x0000009c	156	0x00000000	0
0x000000a0	160	0x00000000	0
0x000000a4	164	0x00000000	0
0x000000a8	168	0x00000000	0
0x000000ac	172	0x00000000	0
0x000000b0	176	0x00000000	0
0x000000b4	180	0x00000000	0
0x000000b8	184	0x00000000	0
0x000000bc	188	0x00000000	0
0x000000c0	192	0x00000000	0
0x000000c4	196	0x00000000	0
0x000000c8	200	0x00000000	0
0x000000cc	204	0x00000000	0
0x000000d0	208	0x00000000	0
0x000000d4	212	0x00000000	0
0x000000d8	216	0x00000000	0
0x000000dc	220	0x00000000	0
0x000000e0	224	0x00000000	0
0x000000e4	228	0x00000000	0
0x000000e8	232	0x00000000	0
0x000000ec	236	0x00000000	0
0x000000f0	240	0x00000100	256
0x000000f4	244	0x00000039	57
0x000000f8	248	0x00000014	20

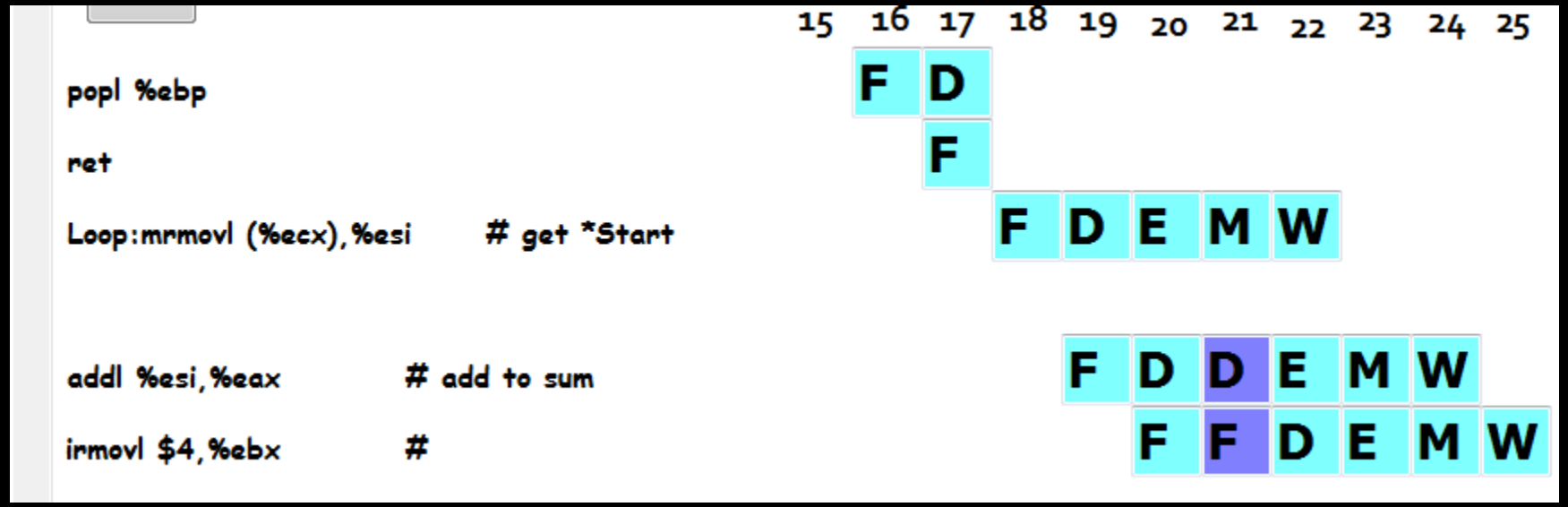
设置运行速度

- 可以设置任意频率
- 可以任意暂停、继续、停止



显示FDEMW

- 显示每条指令 各阶段在什么阶段执行



显示FDEMW

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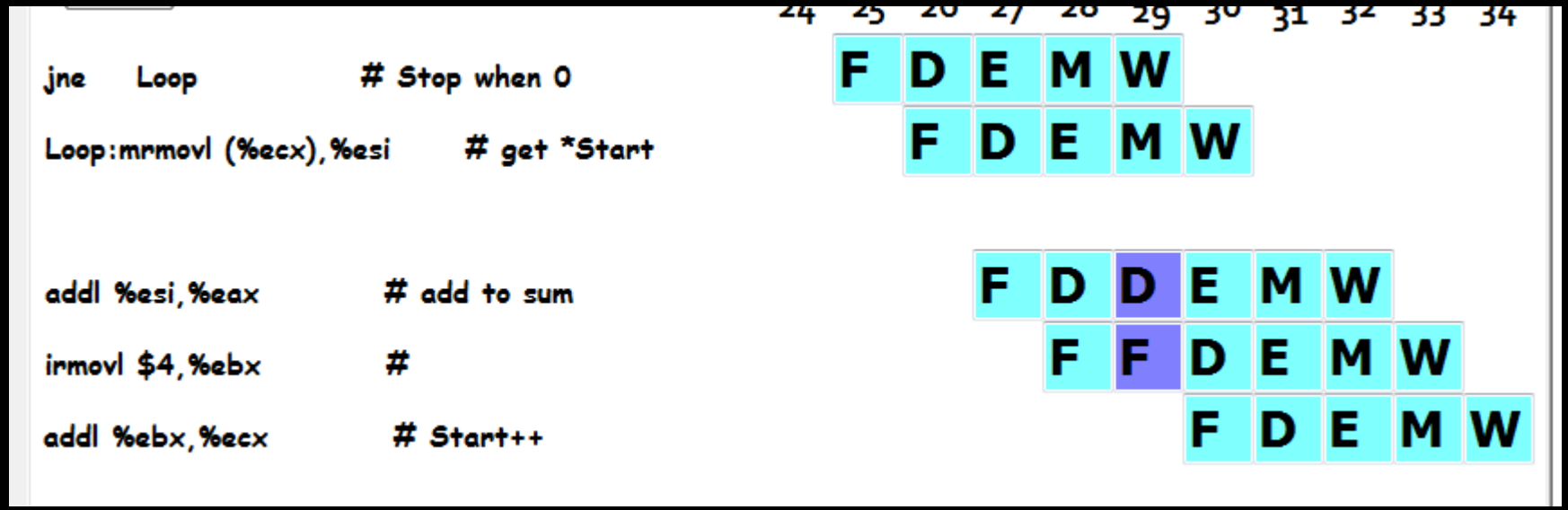

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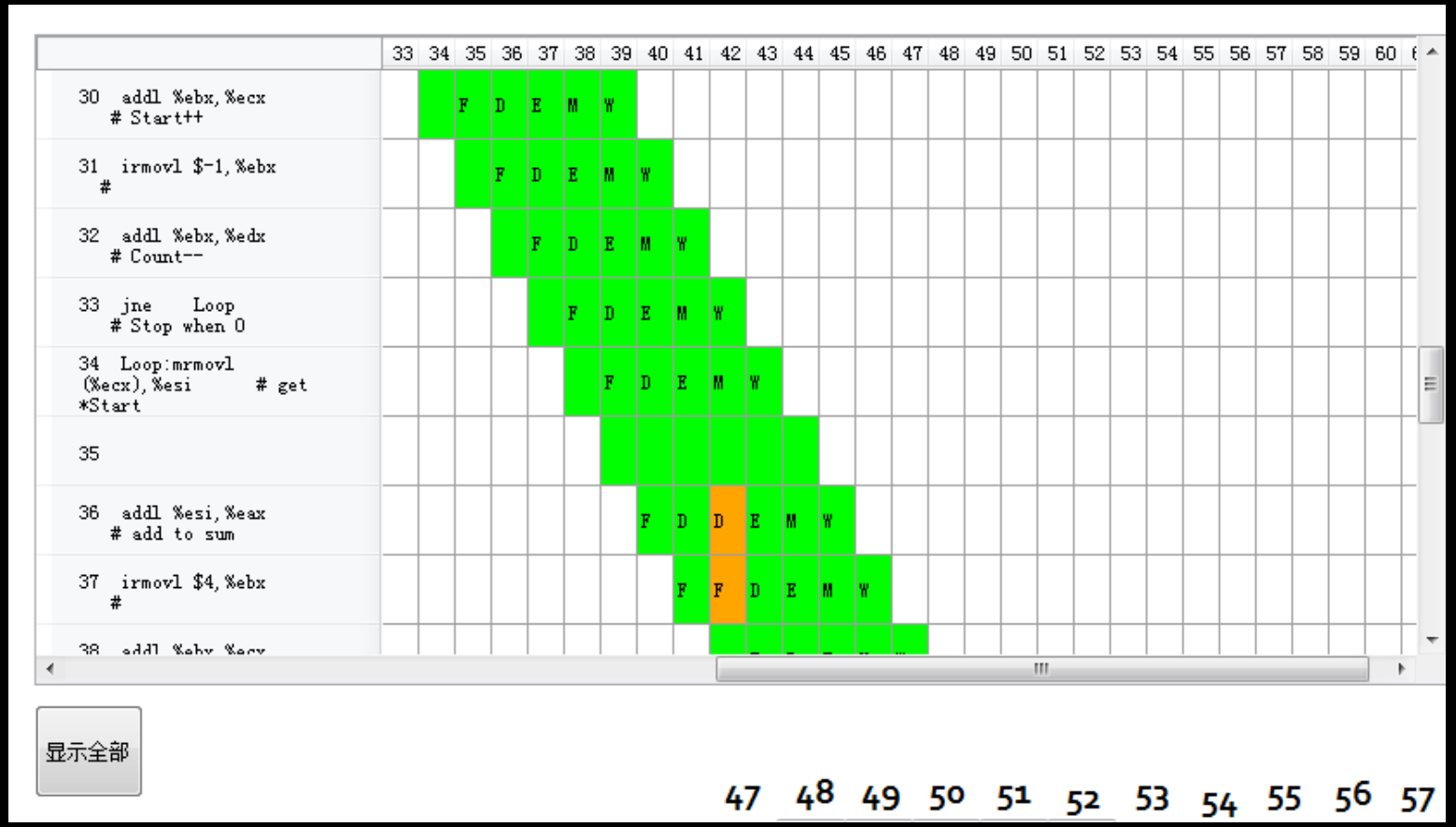

Thanks!
Q&A