# 流水线 CPU (Verilog 实现) 实验报告

# 一、CPU 设计方案综述

#### (一) 总体设计概述

本 CPU 为 Verilog 实现的流水线 MIPS-CPU,支持的指令集包括{LB、LBU、LH、LHU、LW、SB、SH、SW、ADD、ADDU、SUB、SUBU、MULT、MULTU、DIV、DIVU、SLL、SRL、SRA、SLLV、SRLV、SRAV、AND、OR、XOR、NOR、ADDI、ADDIU、ANDI、ORI、XORI、LUI、SLT、SLTI、SLTIU、SLTU、BEQ、BNE、BLEZ、BGTZ、BLTZ、BGEZ、J、JAL、JALR、JR、MFHI、MFLO、MTHI、MTLO},为了实现这些功能,CPU 主要包括了Fench, FD, Decode, DE, Excute,EM,Memory,MW。

#### (二) 关键模块定义

#### 1. Fench

#### 内部包含 PC 与 IM 两个部件

表格 1 Fench 模块端口定义

信号名	方向	描述
Clk	I	时钟信号
Reset	I	复位信号
EnPC	I	pc 使能信号
NPC	I	下一 PC 值
PCF	О	当前 PC 值

#### 2. PC

表格 2 PC 模块端口定义

信号名	方向	描述
Clk	I	时钟信号
Reset	I	复位信号
EnPC	I	写使能信号  1: 可向 PC 中写入数据  0: 不能向 PC 中写入数据
npc[31:0]	О	更新 PC 值
tonpc[31:0]	О	更新后 PC 值

# 3. FD Fench 与 Decode 之间的流水线寄存器

表格 4 FD 模块端口定义

信号名	方向	描述
Clk	I	时钟信号
Reset	I	复位信号
		写使能信号
EnFD	I	1: 可向 FD 中写入数据
		0: 不能向 FD 中写入数据
PCF[31:0]	I	F 阶段当前 PC 值
InstrF[31:0]	I	F阶段当前指令
PCD[31:0]	О	D 阶段当前 PC 值
InstrD[31:0]	О	D阶段当前指令

#### 4. Decode

内部包含 GRF,EXT,CMP,NPC 四个部件。

表格 5 Decode 模块端口定义

信号名	方向	描述
Clk	I	时钟信号
Reset	I	复位信号
PCD[31:0]	I	D 阶段当前 PC 值
PCF[31:0]	I	F 阶段当前 PC 值
InstrD[31:0]	I	D阶段当前指令
FwdD1[31:0]	I	CMP 原件端口转发而来的数据
FwdD2[31:0]	I	CMP 原件端口转发而来的数据
WDW[31:0]	I	由 MW 寄存器连接而来的 GRF 写入数据
A3W[4:0]	I	由 MW 寄存器连接而来的 GRF 写入地址
PCW[31:0]	I	由 MW 寄存器连接而来的 PC 值
RD1DE[31:0]	О	GRF 输出
RD2DE[31:0]	О	GRF 输出
Imm32DE[31:0]	О	EXT 输出

A3DE[4:0]	О	当前指令下的 GRF 写入地址
WDDE[31:0]	О	当前指令下的 GRF 写入输入
NPC[31:0]	О	待更新的 PC 值
D1Use	О	是否要使用 RD1
D2Use	О	是否要使用 RD2

#### 5. GRF

表格 6 GRF 模块端口定义

信号名	方向	描述
Clk	I	时钟信号
Reset	I	复位信号
A1[4:0]	I	Instr[25:21]
A2[4:0]	I	Instr[20:16]
A3[4:0]	I	Instr[15:11]
WD[31:0]	I	GRF 写入数据
PC[31:0]	I	当前待输入 PC 值
RD1[31:0]	О	寄存器输出 1
RD2[31:0]	О	寄存器输出 2

# 6. EXT

表格 7 EXT 模块端口定义

信号名	方向	描述
Imm16	Ι	16 位输入
EXTop	I	零扩展或符号扩展选择信号
EXT_result[31:0]	О	扩展后结果输出

### 7. CMP

表格 8 CMP 模块端口定义

信号名	方向	描述
SrcA	I	输入1
SrcB	I	输入 2
eq	О	两者相等
eqz	О	SrcA 等于 0

ltz	О	SrcA 小于零
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# 8. NPC

### 表格 9 NPC 模块端口定义

信号名	方向	描述
PCF[31:0]	I	F 阶段当前 PC 值
PCD[31:0]	I	D 阶段当前 PC 值
Imm26[25:0]	I	D 阶段指令后 26 位
zero	I	比较两数相等
ra[31:0]	I	GRF 输出 1
npcop[2:0]	I	Npc 选择信号
npc[31:0]	О	下一个 PC 值

## 9. DE

### 表格 10 DE 模块端口定义

信号名	方向	描述
IP 5 11	)) I-i	油烂
Clk	I	时钟信号
reset	I	复位信号
FlushDE	I	DE 寄存器清空信号
EnDE	I	DE 寄存器使能信号
PCD[31:0]	I	D 阶段当前 PC 值
InstrD[1:0]	I	D阶段当前指令
PCE[31:0]	О	E 阶段当前 PC 值
InstrE[31:0]	О	E阶段当前指令
RD1D[31:0]	I	D 阶段 GRF 输出 1
RD2D[31:0]	I	D 阶段 GRF 输出 2
Imm32D[31:0]	I	D 阶段 EXT 输出
A3D[4:0]	I	D 阶段 A3 值
WDD[31:0]	I	D阶段写入数据
RD1E[31:0]	О	E 阶段 GRF 输出 1
RD2E[31:0]	О	E 阶段 GRF 输出 2

Imm32E[31:0]	О	E 阶段 EXT 输出
A3E[4:0]	О	E 阶段 A3 值
WDE[31:0]	О	E 阶段写入数据

### 10. Excute

表格 11 Extcute 模块端口定义

信号名	方向	描述
clk	I	时钟信号
reset	I	复位信号
InstrE[31:0]	Ι	E阶段当前指令
Imm32E[31:0]	I	E 阶段 EXT 输出
WDE[31:0]	I	E阶段写入数据
FwdE1[31:0]	I	ALU 端口转发而来的数据
FwdE2[31:0]	I	ALU 端口转发而来的数据
WDEM[31:0]	О	E阶段后写入数据
ResEM[31:0]	О	E 阶段 ALU 输出数据
RD2EM[31:0]	О	ALU 端口 2 转发而来的数据
E1Use	О	ALU1 端口是否在使用
E2Use	О	ALU2 端口是否在使用

## 11. ALU

#### 表格 12 ALU 模块端口定义

信号名	方向	描述
SrcA[31:0]	I	ALU 输入 1
SrcB[31:0]	I	ALU 输入 2
ALUop[3:0]	I	ALU 运算方式选择
Result[31:0]	О	ALU 输出

## 12. EM

### 表格 13 EM 模块端口定义

信号名	方向	描述
Clk	I	时钟信号
Reset	I	复位信号

FlushEM	I	清空信号
PCE[31:0]	I	E 阶段当前 PC 值
InstrE[4:0]	I	E阶段当前指令
A3E[31:0]	I	E 阶段 A3 值
WDE[31:0]	I	E 阶段写入信号
ResE[31:0]	Ι	E 阶段 ALU 输出
RD2E[31:0]	I	E 阶段 ALU 端口 2
PCM[31:0]	О	M 阶段当前 PC 值
InstrM[31:0]	О	M 阶段当前指令
A3M[4:0]	О	M 阶段当前 A3 值
WDM[31:0]	0	M 阶段当前写入数据
ResM[31:0]	О	M 阶段 ALU 输出
RD2M[31:0]	О	M 阶段 ALU 端口 2

# 13. Memory

表格 14 Memory 模块端口定义

信号名	方向	描述
Clk	I	时钟信号
Reset	I	复位信号
PCM[31:0]	I	M 阶段当前 PC 值
InstrM[31:0]	I	M 阶段当前指令
WDM[31:0]	I	M 阶段写入数据
ResM[31:0]	I	M 阶段 ALU 输出
FwdM2[31:0]	I	M 写入端口转发而来的数据
m_data_rdata	I	EM 读出的数据
WDMW[31:0]	О	MW 寄存器中写入数据
M2Use	0	M 写入端口是否使用
m_data_addr	О	访问 EM 的地址
m_data_wdata	О	待写入 EM 的数据
m_data_byteen	О	四位字节使能

m_inst_addr	O	M 级 PC
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### 14. MW

## 表格 16 MW 模块端口定义

信号名	方向	描述
Clk	I	时钟信号
Reset	I	复位信号
PCM[31:0]	I	M 阶段当前 PC 值
InstrM[31:0]	I	M 阶段当前指令
A3M[31:0]	I	M 阶段 A3 值
WDM[31:0]	I	M 阶段写入数据
PCW[31:0]	О	W 阶段当前 PC 值
InstrW[31:0]	О	W阶段当前指令
A3W[31:0]	0	W 阶段 A3 值
WDW[31:0]	О	w 阶段写入数据

#### 15. Controller

### 表格 17 Controller 模块端口定义

信号名	方向	描述
Instr[31:0]	I	32 位指令
MemWrite	О	存储器写入信号
NPCop[1:0]	О	NPC 选择信号
ALUop	О	ALU 运算选择信号
ALUASel	О	ALU 端口 1 输入选择信号
ALUBSel	О	ALU 端口 2 输入选择信号
EXTop	О	EXT 运算选择信号
A3DE[31:0]	О	A3 选择结果
WidthOp[2:0]	О	位宽信号
MD	О	MDU 使用信号
MDUop	О	MDU 运算选择信号
start	О	乘除法启动信号

busy	О	乘除法使用中信号
D1Use	О	是否使用 GRF 的 RD1 端口
D2Use	О	是否使用 GRF 的 RD2 端口
E1Use	О	是否使用 ALU 的输入端口 1
E2Use	О	是否使用 ALU 的输入端口 2
M2Use	О	是否使用 Memory 的写入端口
WDSelD	О	选择 D 阶段后的写入数据
WDSelE	О	选择 E 阶段后的写入数据
WDSelM	O	选择 M 阶段后的写入数据

16. Hazard

表格 18 Hazard 模块端口定义

信号名	方向	描述
н э.н	731-3	Juke
Clk	I	时钟信号
Reset	I	复位信号
A1D[4:0]	I	D 阶段当前 A1 值
A2D[4:0]	I	D 阶段当前 A2 值
RD1D[31:0]	I	D 阶段当前 GRF 输出端口 1
RD2D[1:0]	I	D 阶段当前 GRF 输出端口 2
D1Use	I	是否使用 GRF 的 RD1 端口
D2Use	I	是否使用 GRF 的 RD2 端口
A1E[4:0]	I	E 阶段当前 A1 值
A2E[4:0]	I	E 阶段当前 A2 值
RD1E[31:0]	I	E 阶段当前 GRF 输出端口 1
RD2E[31:0]	I	E 阶段当前 GRF 输入端口 2
E1Use	I	是否使用 ALU 输入端口 1
E2Use	I	是否使用 ALU 输入端口 2
A3E[4:0]	I	E 阶段当前 A3 值
WDE[31:0]	I	E阶段当前写入数据
A2M[4:0]	I	M 阶段当前 A2 值

RD2M[31:0]	I	M 阶段 ALU 端口 2 转发而来的数据
M2Use	I	Memory 写入端口是否使用
A3M[4:0]	I	M 阶段当前 A3 值
WDM[31:0]	I	M 阶段写入数据
A3W[4:0]	I	W 阶段当前 A3 值
WDW[31:0]	Ι	w 阶段写入数据
start	Ι	MDU 启动信号
busy	Ι	MDU 使用中信号
MD	Ι	MDU 使用信号
FwdD1[31:0]	О	CMP 端口 1 转发而来的数据
FwdD2[31:0]	О	CMP 端口 2 转发而来的数据
FwdE1[31:0]	О	ALU 端口 1 转发而来的数据
FwdE2[31:0]	О	ALU 端口 2 转发而来的数据
FwdM2[31:0]	О	Memory 写入端口转发而来的数据
EnPC	О	PC 寄存器使能信号
EnDE	О	DE 寄存器使能信号
EnEM	O	EM 寄存器使能信号
FlushDE	О	DE 寄存器清空信号
FlushEM	О	EM 寄存器清空信号

17. MDU

表格 16 MDU 模块端口定义

信号名	方向	描述
Clk	I	时钟信号
Reset	I	复位信号
srcA[31:0]	I	输入数据 A
srcB[31:0]	I	输入数据 B
start	I	MDU 启动信号
MDUop[2:0]	I	MDU 运算选择信号
HIWrite	I	HI 寄存器写使能信号

LOWrite	I	LO 寄存器写使能信号
HI[31:0]	О	HI 寄存器
LO[31:0]	О	LO 寄存器
busy	О	MDU 使用中信号

#### 二、思考题

1、为什么需要有单独的乘除法部件而不是整合进 ALU? 为何需要有独立的 HI、 LO 寄存器?

因为执行乘除法运算需要多个周期的时间,无法在一周期以内计算完,所以不能像普通的加减法一样整合进 ALU 马上计算出结果,同理,因为需要多个时钟周期进行运算,而流水线还在继续执行下去,所以计算结果不可能直接写入寄存器堆,只能先存放在 HI,LO 寄存器中,需要的时候使用 mfhi 和 mflo 指令来读 取结果。

- 2、参照你对延迟槽的理解,试解释"乘除槽"。 乘除槽也就是在乘除模块运算时如果之后是一条不需要用到该模块的指令, 那么流水线继续执行,如果之后是需要读写 HI,LO 的指令,则暂停流水线。
- 3、举例说明并分析何时按字节访问内存相对于按字访问内存性能上更有优势。 在处理字符串时按字节存储更有优势,比如字符串的拼接,比较等操作对于 按字节来说很方便,而如果按字节存储则还需要拆成四个字节来进行操作。
- 4、在本实验中你遇到了哪些不同指令类型组合产生的冲突?你又是如何解决的?相应的测试样例是什么样的?

首先是非乘除相关指令,处理方法同 p5;然后是乘除相关指令,可通过 start,busy,MD 信号判断是否阻塞等问题。测试样例见测试部分。

5、为了对抗复杂性你采取了哪些抽象和规范手段?这些手段在译码和处理数据冲突的时候有什么样的特点与帮助?

首先设置一个名为 Macro 的头文件,里面存储各种宏定义,再各个部件需要使用时引用即可。其次使用高内聚,低耦合的设计思路,尽可能把 cpu 模块化,同时降低模块之间的相互影响。在译码时将指令分类,同时设计相关指令的信号。这些手段在处理冲突时可以方便的进行操作而不必纠结于各种细节。

## 三、测试

1. 乘除测试

ori \$1, \$1, 38324

ori \$2, \$2, 74122

mult \$1, \$2

```
mfhi $13
```

mflo \$14

mult \$13, \$14

mfhi \$3

mflo \$4

div \$3, \$4

mfhi \$5

mflo \$6

div \$5, \$1

mfhi \$7

mflo \$8

输出

@00003000: \$ 1 <= 000095b4

@00003004: \$ 1 <= 00010000

@00003008: \$ 1 <= 0001218a

@0000300c: \$ 2 <= 0001218a

@00003014: \$13 <= 00000001

@00003018: \$14 <= 4778de64

@00003020: \$ 3 <= 00000000

@00003024: \$ 4 <= 4778de64

@0000302c: \$ 5 <= 00000000

@00003030: \$ 6 <= 00000000

@00003038: \$ 7 <= 00000000

@0000303c: \$ 8 <= 00000000

#### 2. 综合测试

ori \$1, \$0, 4

ori \$2, \$0, 11

ori \$3, \$0, 5

ori \$4, \$0, 1

sw \$1, 0 (\$0)

sw \$2, 4(\$0)

sw \$3, 8(\$0)

sw \$2, 12(\$0)

sw \$1, 16(\$0)

sw \$1, 20(\$0)

sw \$1, 24(\$0)

sw \$4, 28(\$0)

sw \$4, 32(\$0)

sw \$2, 36(\$0)

sw \$1, 40(\$0)

sw \$1, 44(\$0)

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sw \$2, 48(\$0)

sw \$1, 52(\$0)

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sw $3, 56($0)
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sw \$3, 60(\$0)

sw \$4, 64(\$0)

sw \$3, 68(\$0)

sw \$4, 72(\$0)

sw \$3, 76(\$0)

sw \$2, 80(\$0)

sw \$1, 84(\$0)

sw \$2, 88(\$0)

sw \$3, 92(\$0)

sw \$2, 96(\$0)

sw \$4, 100(\$0)

sw \$2, 104(\$0)

sw \$1, 108(\$0)

sw \$3, 112(\$0)

sw \$4, 116(\$0)

sw \$1, 120(\$0)

sw \$1, 124(\$0)

Iui \$3, 1

mfhi \$2

mthi \$2

multu \$2, \$2

TAG1:

bne \$2, \$2, TAG2

Iui \$1, 10

beq \$1, \$2, TAG2

mthi \$1

TAG2:

bgez \$1, TAG3

mfhi \$1

sb \$1, 0(\$1)

nor \$3, \$1, \$1

TAG3:

Iui \$4, 9

multu \$4, \$4

sll \$0, \$0, 0

bltz \$1, TAG4

TAG4:

andi \$2, \$1, 9

subu \$3, \$2, \$2

sh \$2, 0(\$2)

blez \$3, TAG5

TAG5:

multu \$3, \$3

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multu $3, $3
```

mult \$3, \$3

mtlo \$3

TAG6:

beq \$3, \$3, TAG7

subu \$3, \$3, \$3

mtlo \$3

andi \$4, \$3, 4

TAG7:

mfhi \$4

blez \$4, TAG8

Iw \$3, 0(\$4)

Ibu \$3, 0(\$4)

TAG8:

multu \$3, \$3

mfhi \$1

sII \$1, \$3, 12

sb \$1, 0(\$1)

TAG9:

mult \$1, \$1

Ibu \$1, 0(\$1)

and \$3, \$1, \$1

sw \$3, 0(\$1)

TAG10:

bne \$3, \$3, TAG11

Ibu \$2, 0(\$3)

multu \$2, \$2

Ih \$1, 0(\$3)

TAG11:

mfhi \$1

bgtz \$1, TAG12

multu \$1, \$1

mthi \$1

TAG12:

srlv \$4, \$1, \$1

Ih \$1, 0(\$4)

sw \$1, 0(\$1)

Ib \$3, 0(\$1)

TAG13:

srl \$2, \$3, 14

mfhi \$4

sh \$2, 0(\$4)

mthi \$3

TAG14:

mfhi \$4

mfhi \$4

sb \$4, 0(\$4)

sh \$4, 0(\$4)

TAG15:

xor \$3, \$4, \$4

mflo \$2

bne \$4, \$4, TAG16

mthi \$2

TAG16:

multu \$2, \$2

Iui \$2, 14

divu \$2, \$2

div \$2, \$2

TAG17:

mult \$2, \$2

Iui \$2, 10

andi \$2, \$2, 3

Iui \$4, 10

TAG18:

beq \$4, \$4, TAG19

sll \$0, \$0, 0

Iui \$3, 2

Ihu \$1, 0(\$3)

TAG19:

Iui \$1, 15

Iui \$3, 14

multu \$3, \$3

srlv \$4, \$3, \$1

TAG20:

andi \$2, \$4, 7

sII \$0, \$0, 0

beq \$4, \$3, TAG21

mthi \$4

TAG21:

blez \$3, TAG22

mult \$3, \$3

srl \$3, \$3, 11

div \$3, \$3

**TAG22:** 

multu \$3, \$3

sw \$3, -448 (\$3)

bgtz \$3, TAG23

xori \$1, \$3, 3

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TAG23:
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sltiu \$3, \$1, 12

blez \$3, TAG24

Iui \$4, 10

mfhi \$1

TAG24:

mthi \$1

mfhi \$4

andi \$4, \$4, 11

Iui \$1, 9

TAG25:

blez \$1, TAG26

slt \$4, \$1, \$1

bne \$4, \$1, TAG26

mthi \$4

TAG26:

mflo \$2

mfhi \$4

mthi \$4

mult \$2, \$4

TAG27:

or \$2, \$4, \$4

Ibu \$3, 0(\$4)

Ib \$3, −192 (\$3)

ori \$4, \$3, 10

TAG28:

mthi \$4

mthi \$4

sb \$4, 54(\$4)

mthi \$4

TAG29:

Iui \$3, 1

sll \$0, \$0, 0

xori \$3, \$3, 9

sb \$4, 54(\$4)

TAG30:

sll \$0, \$0, 0

mflo \$4

bltz \$4, TAG31

sll \$0, \$0, 0

TAG31:

mthi \$1

lui \$2, 4

srlv \$1, \$1, \$1

sII \$3, \$2, 2

TAG32:

ori \$3, \$3, 15

bne \$3, \$3, TAG33

Iui \$3, 14

bne \$3, \$3, TAG33

TAG33:

and \$3, \$3, \$3

beq \$3, \$3, TAG34

addu \$2, \$3, \$3

or \$3, \$2, \$3

TAG34:

multu \$3, \$3

beq \$3, \$3, TAG35

Iui \$2, 1

subu \$1, \$2, \$3

TAG35:

sll \$0, \$0, 0

addiu \$4, \$1, 10

mthi \$1

mult \$4, \$1

TAG36:

mflo \$3

sII \$0, \$0, 0

mtlo \$3

bltz \$3, TAG37

**TAG37**:

Iui \$1, 13

divu \$1, \$1

bne \$1, \$1, TAG38

mfhi \$4

TAG38:

sh \$4, 0(\$4)

mflo \$2

Iw \$1, 0(\$4)

bltz \$4, TAG39

TAG39:

mthi \$1

mflo \$4

multu \$4, \$1

mtlo \$4

TAG40:

blez \$4, TAG41

mthi \$4

bltz \$4, TAG41

lui \$3, 1

TAG41:

bgtz \$3, TAG42

sll \$0, \$0, 0

ori \$2, \$3, 13

Iw \$2, 0(\$3)

TAG42:

andi \$2, \$2, 12

mult \$2, \$2

add \$4, \$2, \$2

Iw \$3, 0(\$4)

TAG43:

Iui \$3, 8

Iui \$1, 4

blez \$1, TAG44

and \$2, \$3, \$1

TAG44:

bgtz \$2, TAG45

mfhi \$4

mthi \$2

mflo \$3

TAG45:

or \$1, \$3, \$3

mfhi \$2

bgez \$3, TAG46

Iui \$2, 5

TAG46:

mfhi \$3

sh \$3, 0(\$3)

sw \$3, 0 (\$3)

beq \$2, \$2, TAG47

TAG47:

sh \$3, 0(\$3)

mflo \$4

Iw \$1, 0(\$3)

bgtz \$3, TAG48

TAG48:

xor \$4, \$1, \$1

mthi \$4

Iui \$3, 12

Ihu \$3, 0(\$4)

TAG49:

blez \$3, TAG50

Iui \$3, 13

sltiu \$4, \$3, 5

beq \$3, \$4, TAG50

TAG50:

Iui \$2, 2

sllv \$1, \$2, \$4

sII \$0, \$0, 0

sII \$0, \$0, 0

TAG51:

Iui \$4, 11

sII \$0, \$0, 0

sll \$0, \$0, 0

bne \$3, \$3, TAG52

TAG52:

divu \$2, \$2

bne \$2, \$2, TAG53

Iui \$2, 11

nor \$1, \$2, \$2

TAG53:

subu \$2, \$1, \$1

multu \$1, \$2

add \$1, \$2, \$1

Ibu \$4, 0(\$2)

TAG54:

multu \$4, \$4

mthi \$4

beq \$4, \$4, TAG55

Iui \$4, 15

TAG55:

bne \$4, \$4, TAG56

sll \$0, \$0, 0

mflo \$4

Iui \$3, 10

TAG56:

sll \$0, \$0, 0

bgez \$3, TAG57

sll \$0, \$0, 0

mfhi \$3

TAG57:

mfhi \$4

sll \$0, \$0, 0

Ihu \$4, 0(\$4)

beq \$4, \$4, TAG58

TAG58:

```
Iui $4, 4
```

addiu \$1, \$4, 14

sII \$0, \$0, 0

mfhi \$2

TAG59:

bgtz \$2, TAG60

sb \$2, 0(\$2)

mflo \$3

sw \$2, 0(\$3)

TAG60:

sra \$3, \$3, 8

Iui \$1, 15

ori \$2, \$3, 0

bgez \$2, TAG61

TAG61:

Iui \$2, 11

sll \$0, \$0, 0

bne \$2, \$2, TAG62

srl \$1, \$2, 5

TAG62:

or \$3, \$1, \$1

mflo \$2

sw \$1, 0(\$2)

Ih \$4, -22528 (\$3)

TAG63:

Iui \$4, 11

mfhi \$1

nor \$2, \$4, \$4

sII \$0, \$0, 0

TAG64:

bltz \$4, TAG65

mtlo \$4

Iui \$4, 14

srlv \$2, \$4, \$4

TAG65:

divu \$2, \$2

mfhi \$4

mthi \$2

mtlo \$2

TAG66:

Iui \$1, 11

sIti \$1, \$4, 1

Iui \$3, 8

mtlo \$1

TAG67:

div \$3, \$3

mflo \$4

mthi \$3

sra \$2, \$4, 10

TAG68:

mtlo \$2

Ib \$4, 0(\$2)

mthi \$4

bltz \$4, TAG69

TAG69:

mthi \$4

mult \$4, \$4

bgtz \$4, TAG70

sra \$3, \$4, 2

**TAG70**:

bltz \$3, TAG71

sh \$3, 0(\$3)

Ih \$2, 0(\$3)

mult \$3, \$3

TAG71:

sh \$2, 0(\$2)

mfhi \$1

bgez \$2, TAG72

Iui \$1, 11

**TAG72**:

lui \$3, 11

addiu \$2, \$1, 0

mfhi \$1

Ihu \$3, 0(\$1)

TAG73:

Ih \$2, 0(\$3)

bltz \$2, TAG74

Ib \$3, 0(\$3)

Ihu \$2, 0(\$3)

TAG74:

add \$4, \$2, \$2

blez \$2, TAG75

srav \$4, \$2, \$2

mfhi \$4

TAG75:

multu \$4, \$4

Iui \$3, 3

mtlo \$4

Iui \$1, 4

TAG76:

addiu \$4, \$1, 15

mflo \$2

bltz \$4, TAG77

mflo \$2

**TAG77**:

srlv \$1, \$2, \$2

Iw \$3, 0(\$2)

Ihu \$2, 0(\$3)

mfhi \$4

**TAG78:** 

multu \$4, \$4

bgtz \$4, TAG79

addi \$2, \$4, 12

sh \$2, 0(\$4)

TAG79:

sb \$2, 0(\$2)

mtlo \$2

sb \$2, 0(\$2)

divu \$2, \$2

TAG80:

Iui \$1, 0

bgtz \$1, TAG81

multu \$2, \$1

mtlo \$1

TAG81:

ori \$2, \$1, 14

srav \$3, \$2, \$1

or \$1, \$2, \$1

mtlo \$1

TAG82:

sh \$1, 0(\$1)

bltz \$1, TAG83

mult \$1, \$1

divu \$1, \$1

TAG83:

Iui \$4, 5

xor \$3, \$4, \$4

mthi \$4

Thu \$2, 0(\$3)

TAG84:

srlv \$2, \$2, \$2

sb \$2, 0(\$2)

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mult $2, $2
```

andi \$1, \$2, 10

TAG85:

sh \$1, 0(\$1)

sub \$1, \$1, \$1

mult \$1, \$1

mfhi \$2

TAG86:

bltz \$2, TAG87

Iui \$1, 15

beq \$2, \$2, TAG87

andi \$3, \$1, 0

TAG87:

Iui \$1, 12

mthi \$3

or \$1, \$1, \$3

mfhi \$1

TAG88:

Iui \$1, 2

mtlo \$1

addiu \$1, \$1, 2

addiu \$1, \$1, 10

TAG89:

Iui \$1, 14

sII \$1, \$1, 13

sII \$0, \$0, 0

mflo \$2

TAG90:

Iui \$2, 14

ori \$2, \$2, 14

sll \$0, \$0, 0

mthi \$2

TAG91:

bltz \$4, TAG92

mult \$4, \$4

mult \$4, \$4

mtlo \$4

TAG92:

srl \$4, \$4, 9

lui \$4, 7

sII \$0, \$0, 0

mflo \$2

TAG93:

Iui \$3, 3

beq \$2, \$2, TAG94

mtlo \$2

addi \$1, \$3, 13

TAG94:

slt \$2, \$1, \$1

sra \$2, \$2, 9

bltz \$2, TAG95

and \$4, \$2, \$2

TAG95:

bne \$4, \$4, TAG96

srlv \$2, \$4, \$4

mfhi \$3

Ih \$1, 0(\$4)

TAG96:

sII \$3, \$1, 1

mflo \$3

ori \$2, \$3, 10

slt \$3, \$3, \$2

TAG97:

or \$3, \$3, \$3

Iui \$3, 3

sll \$0, \$0, 0

sltu \$4, \$4, \$3

TAG98:

Iui \$2, 2

beq \$4, \$4, TAG99

mthi \$4

sra \$2, \$4, 14

TAG99:

andi \$3, \$2, 13

bgtz \$3, TAG100

mfhi \$4

sll \$0, \$0, 0

TAG100:

mthi \$4

Iui \$1, 3

srl \$4, \$1, 4

mfhi \$4

TAG101:

bne \$4, \$4, TAG102

sb \$4, 0(\$4)

Ibu \$1, 0(\$4)

multu \$1, \$4

TAG102:

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lb $2, 0($1)
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lb \$3, 0(\$2)

or \$2, \$2, \$1

Ibu \$1, 0(\$3)

TAG103:

Iui \$2, 3

sra \$4, \$1, 15

sltu \$1, \$1, \$1

subu \$3, \$1, \$1

TAG104:

Iui \$3, 14

subu \$2, \$3, \$3

mtlo \$2

multu \$2, \$3

TAG105:

mflo \$2

mult \$2, \$2

mtlo \$2

sh \$2, 0(\$2)

TAG106:

sb \$2, 0(\$2)

mflo \$1

Ib \$2, 0(\$2)

bne \$2, \$1, TAG107

TAG107:

multu \$2, \$2

beq \$2, \$2, TAG108

nor \$3, \$2, \$2

beq \$3, \$3, TAG108

TAG108:

sb \$3, 1(\$3)

sh \$3, 1(\$3)

subu \$3, \$3, \$3

mflo \$2

TAG109:

Iui \$3, 1

sll \$0, \$0, 0

bltz \$3, TAG110

Ibu \$3, 0(\$2)

TAG110:

subu \$3, \$3, \$3

sltiu \$3, \$3, 7

bgez \$3, TAG111

mflo \$2

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TAG111:
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Iw \$3, 0(\$2)

multu \$2, \$2

beq \$3, \$2, TAG112

Iui \$3, 5

TAG112:

mthi \$3

sII \$0, \$0, 0

mflo \$3

mthi \$3

TAG113:

multu \$3, \$3

mfhi \$2

mfhi \$3

Iw \$3, 0(\$3)

TAG114:

mthi \$3

div \$3, \$3

mthi \$3

sll \$0, \$0, 0

TAG115:

addiu \$4, \$3, 7

srl \$3, \$4, 10

Iw \$4, 0(\$3)

sh \$3, 0(\$3)

TAG116:

beq \$4, \$4, TAG117

mthi \$4

addiu \$2, \$4, 14

multu \$4, \$4

TAG117:

sw \$2, 0(\$2)

bne \$2, \$2, TAG118

mfhi \$1

mfhi \$1

TAG118:

beq \$1, \$1, TAG119

Iui \$1, 11

Ih \$1, 0(\$1)

Ih \$1, 0(\$1)

TAG119:

sll \$0, \$0, 0

beq \$1, \$1, TAG120

sII \$1, \$1, 9

beq \$1, \$1, TAG120

TAG120:

sII \$0, \$0, 0

lui \$4, 7

mtlo \$4

sll \$0, \$0, 0

TAG121:

Iui \$2, 15

multu \$2, \$4

mtlo \$2

sII \$0, \$0, 0

TAG122:

mtlo \$4

addu \$4, \$4, \$4

bne \$4, \$4, TAG123

subu \$3, \$4, \$4

TAG123:

Iw \$1, 0(\$3)

mthi \$1

Ib \$3, 0(\$3)

mult \$3, \$3

TAG124:

mflo \$2

mthi \$3

mtlo \$2

addu \$1, \$3, \$3

TAG125:

multu \$1, \$1

Iui \$1, 8

srlv \$3, \$1, \$1

Iui \$2, 8

TAG126:

beq \$2, \$2, TAG127

mult \$2, \$2

Ib \$3, 0(\$2)

bltz \$3, TAG127

TAG127:

Iui \$4, 0

addiu \$3, \$3, 7

addu \$3, \$4, \$3

sII \$3, \$3, 10

TAG128:

srl \$1, \$3, 2

beq \$1, \$1, TAG129

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sII $0, $0, 0
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beq \$2, \$1, TAG129

TAG129:

and \$2, \$2, \$2

beq \$2, \$2, TAG130

Iui \$3, 6

mfhi \$3

TAG130:

bgez \$3, TAG131

mflo \$4

bne \$3, \$3, TAG131

mflo \$4

TAG131:

addu \$1, \$4, \$4

mtlo \$1

Iui \$2, 10

blez \$2, TAG132

TAG132:

sll \$0, \$0, 0

multu \$2, \$1

Iui \$2, 2

bgez \$2, TAG133

TAG133:

sII \$0, \$0, 0

div \$2, \$2

slti \$4, \$2, 11

mfhi \$3

TAG134:

mflo \$2

bltz \$2, TAG135

mflo \$4

mflo \$2

TAG135:

Ib \$1, 0(\$2)

beq \$2, \$1, TAG136

mflo \$1

bne \$2, \$2, TAG136

TAG136:

sb \$1, 0(\$1)

Iui \$4, 10

div \$4, \$4

Iui \$3, 13

TAG137:

sll \$0, \$0, 0

Iui \$4, 2

mtlo \$4

divu \$4, \$4

TAG138:

sII \$0, \$0, 0

sll \$0, \$0, 0

mfhi \$4

mult \$2, \$2

TAG139:

bne \$4, \$4, TAG140

multu \$4, \$4

xor \$4, \$4, \$4

sw \$4, 0(\$4)

TAG140:

sh \$4, 0(\$4)

sIt \$1, \$4, \$4

mflo \$4

bgez \$1, TAG141

TAG141:

srl \$1, \$4, 4

xori \$3, \$1, 7

mult \$3, \$4

slti \$2, \$1, 10

TAG142:

mthi \$2

mflo \$2

bgtz \$2, TAG143

slti \$3, \$2, 15

TAG143:

or \$2, \$3, \$3

sltu \$2, \$3, \$3

sb \$3, 0(\$2)

bne \$3, \$2, TAG144

TAG144:

sllv \$2, \$2, \$2

bne \$2, \$2, TAG145

addi \$3, \$2, 2

Iui \$2, 8

TAG145:

or \$1, \$2, \$2

bltz \$1, TAG146

mthi \$2

beq \$1, \$1, TAG146

TAG146:

mflo \$1

Ib \$1, 0(\$1)

beq \$1, \$1, TAG147

mthi \$1

TAG147:

mflo \$4

Iui \$3, 6

bltz \$1, TAG148

srav \$1, \$1, \$1

TAG148:

mult \$1, \$1

sh \$1, 0(\$1)

sltiu \$4, \$1, 8

bgtz \$1, TAG149

TAG149:

mthi \$4

mtlo \$4

sra \$3, \$4, 0

Iui \$4, 5

TAG150:

mtlo \$4

mult \$4, \$4

sll \$0, \$0, 0

sltu \$3, \$2, \$4

TAG151:

mult \$3, \$3

sh \$3, 0(\$3)

multu \$3, \$3

Ihu \$4, 0(\$3)

TAG152:

mfhi \$1

beq \$4, \$4, TAG153

addi \$4, \$4, 14

divu \$4, \$1

TAG153:

bgez \$4, TAG154

divu \$4, \$4

bgtz \$4, TAG154

srl \$1, \$4, 0

TAG154:

mthi \$1

addiu \$2, \$1, 1

bne \$2, \$1, TAG155

sb \$2, 0(\$2)

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TAG155:
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beq \$2, \$2, TAG156

divu \$2, \$2

mfhi \$1

sh \$2, 0(\$2)

TAG156:

mflo \$2

mthi \$1

mtlo \$2

multu \$2, \$1

TAG157:

beq \$2, \$2, TAG158

slt \$4, \$2, \$2

andi \$1, \$4, 6

beq \$4, \$4, TAG158

TAG158:

Iui \$3, 15

sll \$0, \$0, 0

sw \$3, 0(\$1)

xori \$4, \$1, 12

TAG159:

div \$4, \$4

Iui \$3, 12

Iui \$2, 6

sw \$4, 0 (\$4)

TAG160:

sII \$0, \$0, 0

Iui \$4, 12

mthi \$2

bgtz \$3, TAG161

TAG161:

sII \$0, \$0, 0

Iui \$4, 15

Iui \$1, 11

Iui \$1, 9

TAG162:

Iui \$1, 13

mfhi \$2

Iui \$1, 9

sltu \$3, \$1, \$2

TAG163:

bgez \$3, TAG164

sIti \$3, \$3, 8

Iui \$4, 8

mfhi \$4

TAG164:

sll \$0, \$0, 0

mtlo \$4

sltiu \$3, \$4, 11

bne \$3, \$3, TAG165

TAG165:

mfhi \$4

mtlo \$3

sllv \$2, \$3, \$3

bne \$4, \$2, TAG166

TAG166:

multu \$2, \$2

xori \$4, \$2, 3

sh \$4, 0(\$2)

mthi \$2

TAG167:

bltz \$4, TAG168

addu \$3, \$4, \$4

mult \$3, \$3

bne \$3, \$3, TAG168

TAG168:

mfhi \$3

sw \$3, 0 (\$3)

mflo \$2

slti \$3, \$2, 2

TAG169:

sh \$3, 0(\$3)

bgez \$3, TAG170

sb \$3, 0(\$3)

Iui \$1, 11

TAG170:

sll \$0, \$0, 0

bgez \$1, TAG171

sII \$0, \$0, 0

ori \$2, \$2, 3

TAG171:

mthi \$2

Ihu \$1, 0(\$2)

Iui \$1, 1

beq \$2, \$1, TAG172

TAG172:

sll \$0, \$0, 0

sllv \$4, \$1, \$1

sll \$0, \$0, 0

mtlo \$1

TAG173:

bgez \$4, TAG174

mtlo \$4

addi \$1, \$4, 4

Ibu \$3, 0(\$4)

TAG174:

bgtz \$3, TAG175

sw \$3, 0 (\$3)

xori \$4, \$3, 13

xori \$2, \$3, 5

TAG175:

div \$2, \$2

subu \$3, \$2, \$2

mult \$2, \$3

bne \$3, \$2, TAG176

TAG176:

mfhi \$4

mtlo \$4

mfhi \$1

or \$2, \$3, \$1

TAG177:

Iw \$4, 0(\$2)

sb \$2, 0(\$4)

Ihu \$2, 0(\$2)

sltu \$3, \$4, \$2

TAG178:

Iw \$2, 0(\$3)

Ih \$2, 0(\$3)

addiu \$3, \$2, 8

sw \$2, 0(\$3)

TAG179:

addiu \$4, \$3, 5

sb \$3, 0(\$4)

div \$4, \$4

mflo \$1

TAG180:

beq \$1, \$1, TAG181

or \$3, \$1, \$1

mflo \$1

mtlo \$3

TAG181:

xor \$1, \$1, \$1

Ibu \$1, 0(\$1)

sw \$1, 0(\$1)

sltiu \$2, \$1, 15

TAG182:

div \$2, \$2

sb \$2, 0(\$2)

mtlo \$2

bne \$2, \$2, TAG183

TAG183:

mthi \$2

beq \$2, \$2, TAG184

mflo \$3

bne \$2, \$2, TAG184

TAG184:

Ibu \$2, 0(\$3)

lui \$4, 9

mthi \$2

divu \$3, \$3

TAG185:

bne \$4, \$4, TAG186

mflo \$4

Iui \$2, 7

Iui \$2, 0

TAG186:

bgez \$2, TAG187

multu \$2, \$2

bltz \$2, TAG187

div \$2, \$2

TAG187:

Ib \$1, 0(\$2)

mult \$2, \$1

srlv \$1, \$2, \$1

bne \$2, \$1, TAG188

TAG188:

sb \$1, 0(\$1)

sw \$1, 0(\$1)

mult \$1, \$1

Iui \$4, 11

TAG189:

xori \$4, \$4, 10

multu \$4, \$4

mult \$4, \$4

blez \$4, TAG190

TAG190:

mthi \$4

mult \$4, \$4

addiu \$1, \$4, 6

multu \$4, \$4

TAG191:

sll \$0, \$0, 0

srl \$4, \$1, 6

sll \$2, \$4, 9

mthi \$4

TAG192:

bne \$2, \$2, TAG193

mtlo \$2

sII \$4, \$2, 8

divu \$4, \$4

TAG193:

bltz \$4, TAG194

sll \$0, \$0, 0

sll \$0, \$0, 0

lui \$4, 7

TAG194:

sltiu \$4, \$4, 10

sltiu \$1, \$4, 14

mthi \$4

Ih \$1, 0(\$4)

TAG195:

Iui \$4, 3

mtlo \$4

sll \$0, \$0, 0

bne \$1, \$4, TAG196

TAG196:

addu \$3, \$4, \$4

beq \$4, \$4, TAG197

mtlo \$4

sII \$2, \$4, 10

TAG197:

bltz \$2, TAG198

Iui \$3, 14

mtlo \$2

sII \$0, \$0, 0

TAG198:

bgtz \$4, TAG199

addu \$4, \$4, \$4

beq \$4, \$4, TAG199

mthi \$4

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TAG199:
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sra \$2, \$4, 11

beq \$2, \$2, TAG200

mthi \$4

bne \$2, \$4, TAG200

TAG200:

mfhi \$2

sll \$0, \$0, 0

srl \$2, \$2, 6

nor \$3, \$2, \$2

TAG201:

addiu \$2, \$3, 8

sw \$3, 6137(\$2)

sII \$2, \$2, 12

Iui \$3, 8

TAG202:

beq \$3, \$3, TAG203

sII \$0, \$0, 0

bltz \$3, TAG203

mflo \$4

TAG203:

mfhi \$3

sltiu \$1, \$4, 10

multu \$4, \$3

mtlo \$3

TAG204:

mthi \$1

beq \$1, \$1, TAG205

multu \$1, \$1

mtlo \$1

TAG205:

Iui \$3, 10

Iui \$2, 3

Iui \$3, 9

beq \$3, \$2, TAG206

TAG206:

addiu \$1, \$3, 1

srl \$1, \$1, 2

beq \$1, \$3, TAG207

divu \$3, \$3

TAG207:

Iui \$2, 4

sra \$1, \$1, 2

Iui \$1, 6

bgez \$1, TAG208

TAG208:

mflo \$4

andi \$1, \$1, 10

multu \$1, \$1

xor \$1, \$1, \$1

TAG209:

sra \$1, \$1, 2

bne \$1, \$1, TAG210

Ib \$4, 0(\$1)

sw \$1, 0(\$1)

TAG210:

sb \$4, 1(\$4)

mthi \$4

Iui \$4, 13

mult \$4, \$4

TAG211:

mflo \$3

mflo \$1

sw \$3, 0(\$1)

mfhi \$4

TAG212:

mthi \$4

addiu \$4, \$4, 15

sltiu \$4, \$4, 9

beq \$4, \$4, TAG213

TAG213:

Ib \$4, 0(\$4)

mfhi \$1

sb \$4, 0(\$4)

mtlo \$4

TAG214:

sll \$0, \$0, 0

Iui \$3, 0

mthi \$4

srav \$1, \$1, \$1

TAG215:

blez \$1, TAG216

ori \$2, \$1, 14

multu \$1, \$2

bne \$1, \$2, TAG216

TAG216:

Iui \$2, 5

mthi \$2

mtlo \$2

slt \$1, \$2, \$2

TAG217:

mult \$1, \$1

Iw \$2, 0(\$1)

mthi \$1

sb \$2, 0(\$1)

TAG218:

sub \$3, \$2, \$2

sb \$3, 0(\$2)

srlv \$1, \$3, \$2

sb \$1, 0(\$1)

TAG219:

sh \$1, 0(\$1)

mflo \$2

multu \$1, \$1

blez \$1, TAG220

TAG220:

Iw \$3, 0(\$2)

sw \$2, 0(\$2)

sII \$2, \$2, 11

mult \$2, \$3

TAG221:

blez \$2, TAG222

Ih \$1, 0(\$2)

mult \$1, \$2

mthi \$1

TAG222:

mfhi \$1

multu \$1, \$1

blez \$1, TAG223

addi \$4, \$1, 13

TAG223:

bne \$4, \$4, TAG224

div \$4, \$4

Iui \$1, 8

sb \$4, 0(\$4)

TAG224:

beq \$1, \$1, TAG225

sll \$0, \$0, 0

Ih \$1, 0(\$1)

bgtz \$1, TAG225

TAG225:

Iui \$3, 0

```
bgez $3, TAG226
```

sII \$0, \$0, 0

div \$3, \$1

TAG226:

sh \$3, 0(\$3)

mult \$3, \$3

bne \$3, \$3, TAG227

mthi \$3

TAG227:

Iui \$3, 8

mult \$3, \$3

Iui \$1, 4

sll \$0, \$0, 0

TAG228:

sII \$0, \$0, 0

multu \$1, \$1

sII \$0, \$0, 0

multu \$2, \$1

TAG229:

bne \$2, \$2, TAG230

srav \$2, \$2, \$2

sltu \$4, \$2, \$2

mult \$2, \$2

TAG230:

lb \$4, 0(\$4)

Iui \$4, 8

divu \$4, \$4

sll \$0, \$0, 0

TAG231:

Iui \$1, 1

bltz \$1, TAG232

sltu \$3, \$1, \$4

nor \$1, \$4, \$4

TAG232:

sII \$0, \$0, 0

divu \$1, \$1

sll \$0, \$0, 0

sll \$0, \$0, 0

TAG233:

slti \$2, \$4, 10

bltz \$2, TAG234

sllv \$3, \$4, \$4

Iui \$2, 13

TAG234:

subu \$4, \$2, \$2

mtlo \$2

Iui \$1, 6

bgez \$4, TAG235

TAG235:

sll \$0, \$0, 0

sII \$0, \$0, 0

sIt \$4, \$1, \$1

mfhi \$2

TAG236:

bne \$2, \$2, TAG237

mtlo \$2

Ihu \$1, 0(\$2)

multu \$1, \$2

TAG237:

xor \$2, \$1, \$1

addiu \$4, \$1, 6

mflo \$4

Iui \$1, 4

TAG238:

Iui \$1, 5

sII \$0, \$0, 0

bltz \$1, TAG239

andi \$3, \$1, 0

TAG239:

bgez \$3, TAG240

slti \$1, \$3, 10

bltz \$3, TAG240

sh \$1, 0(\$1)

TAG240:

addiu \$1, \$1, 14

divu \$1, \$1

mthi \$1

beq \$1, \$1, TAG241

TAG241:

addu \$4, \$1, \$1

div \$1, \$1

sIt \$3, \$4, \$4

mult \$1, \$4

TAG242:

xor \$1, \$3, \$3

Iw \$4, 0(\$3)

ori \$1, \$4, 0

mfhi \$4

```
TAG243:
```

mflo \$1

Iui \$2, 2

mthi \$4

blez \$2, TAG244

TAG244:

sII \$0, \$0, 0

xor \$2, \$3, \$2

subu \$4, \$3, \$2

mfhi \$4

TAG245:

sw \$4, 0 (\$4)

mflo \$1

sh \$4, 0(\$4)

mult \$1, \$1

TAG246:

mult \$1, \$1

xori \$2, \$1, 10

bltz \$1, TAG247

Iui \$1, 9

TAG247:

mtlo \$1

sII \$0, \$0, 0

sb \$1, -456(\$2)

bne \$2, \$2, TAG248

TAG248:

divu \$2, \$2

addu \$2, \$2, \$2

mflo \$2

sltu \$3, \$2, \$2

TAG249:

nor \$1, \$3, \$3

sII \$4, \$3, 7

mult \$4, \$4

sw \$1, 1(\$1)

TAG250:

sb \$4, 0(\$4)

sw \$4, 0 (\$4)

sw \$4, 0(\$4)

sltu \$4, \$4, \$4

TAG251:

multu \$4, \$4

srav \$3, \$4, \$4

addiu \$1, \$3, 9

add \$3, \$4, \$3

TAG252:

mfhi \$3

sIt \$3, \$3, \$3

mthi \$3

Iui \$4, 8

TAG253:

bgez \$4, TAG254

div \$4, \$4

multu \$4, \$4

beq \$4, \$4, TAG254

TAG254:

divu \$4, \$4

beq \$4, \$4, TAG255

sllv \$3, \$4, \$4

Iui \$3, 13

TAG255:

sll \$0, \$0, 0

sllv \$3, \$3, \$3

mtlo \$3

sII \$0, \$0, 0

TAG256:

multu \$3, \$3

subu \$4, \$3, \$3

sII \$0, \$0, 0

multu \$3, \$3

TAG257:

addu \$1, \$4, \$4

mthi \$4

sltiu \$1, \$1, 14

Ibu \$2, 0(\$1)

TAG258:

bne \$2, \$2, TAG259

mthi \$2

sltu \$3, \$2, \$2

mtlo \$3

TAG259:

blez \$3, TAG260

subu \$3, \$3, \$3

beq \$3, \$3, TAG260

divu \$3, \$3

TAG260:

Iui \$1, 0

Ibu \$2, 0(\$3)

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Iui $2, 7
```

bgtz \$2, TAG261

TAG261:

div \$2, \$2

lui \$3, 9

sll \$0, \$0, 0

sII \$0, \$0, 0

TAG262:

sltiu \$1, \$2, 15

mthi \$2

blez \$2, TAG263

subu \$4, \$2, \$2

TAG263:

mtlo \$4

ori \$2, \$4, 13

mult \$2, \$4

addiu \$4, \$2, 2

TAG264:

bltz \$4, TAG265

slti \$2, \$4, 15

sh \$4, 0(\$2)

Iw \$2, 0(\$2)

TAG265:

Iui \$3, 11

divu \$2, \$3

div \$2, \$3

Iui \$2, 0

TAG266:

sb \$2, 0(\$2)

beq \$2, \$2, TAG267

mthi \$2

srlv \$3, \$2, \$2

TAG267:

sII \$0, \$0, 0

sII \$0, \$0, 0

Iui \$2, 14

multu \$2, \$2

TAG268:

bltz \$2, TAG269

mflo \$4

sll \$0, \$0, 0

bne \$4, \$2, TAG269

TAG269:

mflo \$1

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sb $1, 0($1)
```

add \$4, \$1, \$3

mflo \$2

TAG270:

mtlo \$2

mflo \$4

mflo \$4

multu \$4, \$2

TAG271:

sh \$4, 0(\$4)

sh \$4, 0(\$4)

sh \$4, 0(\$4)

sw \$4, 0 (\$4)

TAG272:

Iui \$2, 10

Iui \$1, 5

mult \$2, \$4

blez \$4, TAG273

TAG273:

sll \$0, \$0, 0

divu \$1, \$1

bgez \$1, TAG274

andi \$4, \$1, 9

TAG274:

subu \$4, \$4, \$4

Iui \$3, 3

multu \$3, \$4

srav \$1, \$4, \$3

TAG275:

mtlo \$1

sh \$1, 0(\$1)

bne \$1, \$1, TAG276

Iui \$4, 4

TAG276:

Iui \$1, 9

sll \$0, \$0, 0

bne \$4, \$1, TAG277

mult \$4, \$4

TAG277:

andi \$2, \$4, 7

bgez \$4, TAG278

divu \$2, \$4

Iw \$4, 0(\$2)

TAG278:

sra \$2, \$4, 13

subu \$2, \$4, \$4

andi \$1, \$4, 3

xor \$1, \$4, \$1

TAG279:

mflo \$3

bgtz \$1, TAG280

mult \$1, \$3

sb \$1, 0(\$3)

TAG280:

mtlo \$3

slti \$3, \$3, 10

bgtz \$3, TAG281

mflo \$2

TAG281:

Iw \$4, 0(\$2)

mthi \$2

mflo \$2

mthi \$2

TAG282:

Ibu \$3, 0(\$2)

srlv \$4, \$3, \$3

mtlo \$3

bne \$3, \$3, TAG283

TAG283:

mthi \$4

Iui \$3, 10

mflo \$1

bgez \$3, TAG284

TAG284:

multu \$1, \$1

blez \$1, TAG285

Iw \$1, 0(\$1)

mtlo \$1

TAG285:

mflo \$4

Ih \$4, 0(\$4)

mult \$1, \$1

mult \$4, \$1

TAG286:

sII \$2, \$4, 1

mthi \$2

sw \$4, 0 (\$4)

beq \$4, \$4, TAG287

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TAG287:
```

mflo \$3

sw \$2, 0(\$2)

mfhi \$2

mthi \$2

TAG288:

addiu \$2, \$2, 14

bgez \$2, TAG289

nor \$2, \$2, \$2

bne \$2, \$2, TAG289

TAG289:

sw \$2, 15(\$2)

sh \$2, 15(\$2)

beq \$2, \$2, TAG290

Iui \$1, 6

TAG290:

mfhi \$4

div \$4, \$1

sllv \$4, \$4, \$1

Ih \$2, 0(\$4)

TAG291:

ori \$4, \$2, 9

Ihu \$2, 7(\$4)

slti \$1, \$4, 13

andi \$2, \$2, 0

TAG292:

mthi \$2

slti \$2, \$2, 0

multu \$2, \$2

Iw \$1, 0(\$2)

TAG293:

Iui \$4, 5

beq \$4, \$1, TAG294

Iui \$1, 2

multu \$4, \$1

TAG294:

slti \$2, \$1, 15

or \$4, \$1, \$2

beq \$4, \$1, TAG295

sII \$1, \$4, 12

TAG295:

mfhi \$3

bgez \$1, TAG296

mtlo \$3

sw \$1, 0 (\$3)

TAG296:

mtlo \$3

Ih \$4, 0(\$3)

lui \$2, 9

sll \$0, \$0, 0

TAG297:

mtlo \$2

bgtz \$2, TAG298

mfhi \$1

srl \$3, \$1, 11

TAG298:

srlv \$2, \$3, \$3

sb \$3, 0(\$2)

multu \$3, \$2

sw \$2, 0(\$2)

TAG299:

Ib \$4, 0(\$2)

mfhi \$2

srlv \$2, \$2, \$4

sh \$2, 0(\$2)

TAG300:

nor \$3, \$2, \$2

mthi \$2

bgez \$3, TAG301

Iui \$4, 15

TAG301:

sll \$0, \$0, 0

mtlo \$1

sII \$0, \$0, 0

slti \$1, \$4, 13

TAG302:

addiu \$4, \$1, 6

mfhi \$1

bgtz \$1, TAG303

sIt \$3, \$1, \$1

TAG303:

multu \$3, \$3

multu \$3, \$3

Iui \$1, 8

Iui \$2, 4

TAG304:

mfhi \$2

sltu \$3, \$2, \$2

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mtlo $3
```

sw \$2, 0 (\$2)

TAG305:

lui \$4, 7

mflo \$1

blez \$3, TAG306

Ib \$3, 0(\$3)

TAG306:

sh \$3, 0(\$3)

sb \$3, 0(\$3)

mfhi \$4

addi \$2, \$4, 8

TAG307:

div \$2, \$2

sh \$2, 0(\$2)

or \$1, \$2, \$2

addiu \$3, \$1, 11

TAG308:

divu \$3, \$3

mtlo \$3

sb \$3, 0(\$3)

mtlo \$3

TAG309:

Iui \$2, 12

addu \$2, \$3, \$2

bltz \$3, TAG310

sII \$0, \$0, 0

TAG310:

sII \$0, \$0, 0

mtlo \$4

blez \$2, TAG311

Iw \$3, 0(\$4)

TAG311:

mfhi \$1

mult \$3, \$1

Ibu \$2, 0(\$1)

Iui \$3, 10

TAG312:

bgtz \$3, TAG313

nor \$3, \$3, \$3

bne \$3, \$3, TAG313

lb \$3, 0(\$3)

TAG313:

mthi \$3

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sII $0, $0, 0
```

Iui \$2, 0

sII \$0, \$0, 0

TAG314:

addu \$1, \$2, \$2

multu \$1, \$2

mthi \$2

bne \$2, \$2, TAG315

TAG315:

Iw \$1, 0(\$1)

Ih \$3, 0(\$1)

beq \$1, \$3, TAG316

sltiu \$1, \$3, 15

TAG316:

Iui \$2, 8

mfhi \$3

Iui \$3, 7

bne \$3, \$3, TAG317

TAG317:

Iui \$1, 4

and \$2, \$3, \$3

bltz \$3, TAG318

mtlo \$2

TAG318:

xori \$3, \$2, 8

bgtz \$3, TAG319

addiu \$4, \$2, 3

Ihu \$4, 0(\$4)

TAG319:

slti \$1, \$4, 15

slti \$3, \$4, 12

Iui \$4, 8

mfhi \$1

TAG320:

mtlo \$1

mtlo \$1

beq \$1, \$1, TAG321

sh \$1, 0(\$1)

TAG321:

Iui \$3, 2

mflo \$1

sllv \$4, \$1, \$1

mflo \$2

TAG322:

subu \$3, \$2, \$2

Iui \$2, 12

addiu \$3, \$2, 4

Iui \$3, 12

TAG323:

multu \$3, \$3

sII \$0, \$0, 0

divu \$4, \$3

srlv \$2, \$4, \$4

TAG324:

bgtz \$2, TAG325

Ihu \$2, 0(\$2)

mult \$2, \$2

mthi \$2

TAG325:

mflo \$2

sltiu \$3, \$2, 15

Iui \$2, 14

mfhi \$1

TAG326:

mflo \$2

mtlo \$2

sh \$1, 0(\$1)

Ihu \$3, 0(\$1)

TAG327:

addi \$3, \$3, 11

beq \$3, \$3, TAG328

Iui \$1, 13

Iui \$1, 2

TAG328:

mtlo \$1

beq \$1, \$1, TAG329

subu \$1, \$1, \$1

subu \$3, \$1, \$1

TAG329:

mthi \$3

bltz \$3, TAG330

slti \$3, \$3, 15

sltiu \$2, \$3, 2

TAG330:

slt \$1, \$2, \$2

mflo \$1

mflo \$2

sll \$0, \$0, 0

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TAG331:
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sII \$0, \$0, 0

sII \$0, \$0, 0

mthi \$2

srlv \$4, \$2, \$2

TAG332:

sII \$0, \$0, 0

Iui \$1, 9

beq \$4, \$4, TAG333

mtlo \$1

TAG333:

divu \$1, \$1

Iui \$3, 11

mtlo \$1

mflo \$3

TAG334:

mthi \$3

beq \$3, \$3, TAG335

sll \$0, \$0, 0

Ib \$1, 0(\$3)

TAG335:

multu \$1, \$1

mult \$1, \$1

sII \$0, \$0, 0

mthi \$1

TAG336:

blez \$1, TAG337

xori \$4, \$1, 14

sII \$0, \$0, 0

mtlo \$1

TAG337:

beq \$1, \$1, TAG338

sll \$0, \$0, 0

Iui \$2, 5

bne \$1, \$1, TAG338

TAG338:

addu \$4, \$2, \$2

beq \$2, \$4, TAG339

mtlo \$2

bgtz \$4, TAG339

TAG339:

addiu \$1, \$4, 4

mtlo \$1

sll \$0, \$0, 0

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sIIv $2, $1, $4
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TAG340:

divu \$2, \$2

mult \$2, \$2

divu \$2, \$2

sll \$0, \$0, 0

TAG341:

mfhi \$3

mult \$3, \$2

mfhi \$4

mtlo \$4

TAG342:

sII \$3, \$4, 12

lui \$4, 2

beq \$3, \$4, TAG343

mfhi \$4

TAG343:

blez \$4, TAG344

mflo \$1

mthi \$4

sb \$1, 0(\$4)

TAG344:

mult \$1, \$1

mult \$1, \$1

mthi \$1

mult \$1, \$1

TAG345:

subu \$1, \$1, \$1

sw \$1, 0(\$1)

slti \$3, \$1, 3

beq \$3, \$1, TAG346

TAG346:

mflo \$4

mflo \$4

mult \$4, \$4

sb \$3, 0(\$3)

TAG347:

Iui \$1, 9

subu \$4, \$4, \$1

div \$1, \$4

blez \$1, TAG348

TAG348:

multu \$4, \$4

mtlo \$4

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sll $0, $0, 0
```

beq \$3, \$3, TAG349

TAG349:

mflo \$2

bne \$2, \$3, TAG350

sll \$0, \$0, 0

mfhi \$4

TAG350:

bgtz \$4, TAG351

mthi \$4

sll \$0, \$0, 0

sII \$2, \$3, 9

TAG351:

bne \$2, \$2, TAG352

Ih \$3, −512 (\$2)

blez \$2, TAG352

sh \$2, -256(\$3)

TAG352:

div \$3, \$3

bgez \$3, TAG353

div \$3, \$3

Iw \$4, 0(\$3)

TAG353:

bltz \$4, TAG354

mthi \$4

blez \$4, TAG354

mtlo \$4

TAG354:

bne \$4, \$4, TAG355

sII \$0, \$0, 0

bgtz \$4, TAG355

slti \$2, \$4, 5

TAG355:

div \$2, \$2

mtlo \$2

bne \$2, \$2, TAG356

slti \$2, \$2, 4

TAG356:

Iui \$2, 13

xori \$3, \$2, 9

Iui \$4, 14

srlv \$2, \$4, \$2

TAG357:

srl \$3, \$2, 8

srl \$2, \$2, 5

beq \$3, \$2, TAG358

lb \$3, -28672(\$2)

TAG358:

add \$1, \$3, \$3

mfhi \$4

mult \$1, \$3

slt \$2, \$3, \$3

TAG359:

mult \$2, \$2

Ibu \$4, 0(\$2)

srl \$2, \$2, 2

Iui \$3, 6

TAG360:

divu \$3, \$3

mult \$3, \$3

bne \$3, \$3, TAG361

ori \$2, \$3, 12

TAG361:

srl \$4, \$2, 6

beq \$4, \$4, TAG362

mthi \$4

mflo \$4

TAG362:

beq \$4, \$4, TAG363

mfhi \$3

bltz \$4, TAG363

Iui \$4, 14

TAG363:

sII \$0, \$0, 0

bgtz \$4, TAG364

addu \$1, \$4, \$4

bgtz \$4, TAG364

TAG364:

multu \$1, \$1

sltiu \$1, \$1, 14

mthi \$1

and \$3, \$1, \$1

TAG365:

sltu \$3, \$3, \$3

mtlo \$3

andi \$4, \$3, 3

sw \$3, 0 (\$3)

TAG366:

addiu \$1, \$4, 10

Ihu \$4, 0(\$4)

addiu \$1, \$4, 0

bltz \$4, TAG367

TAG367:

srav \$3, \$1, \$1

sb \$1, 0(\$3)

mflo \$3

mflo \$4

TAG368:

Iui \$1, 7

mtlo \$4

mfhi \$1

mult \$1, \$4

TAG369:

mflo \$1

and \$1, \$1, \$1

mfhi \$3

mult \$3, \$1

TAG370:

Ihu \$3, 0(\$3)

Ihu \$1, 0(\$3)

multu \$3, \$1

sra \$1, \$1, 0

TAG371:

mfhi \$2

Ihu \$2, 0(\$1)

mflo \$1

mult \$2, \$2

TAG372:

sb \$1, 0(\$1)

Ib \$3, 0(\$1)

bgtz \$3, TAG373

srlv \$3, \$3, \$1

TAG373:

sb \$3, 0(\$3)

bne \$3, \$3, TAG374

Ihu \$3, 0(\$3)

mfhi \$2

TAG374:

sb \$2, 0(\$2)

sh \$2, 0(\$2)

sw \$2, 0 (\$2)

bgtz \$2, TAG375

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TAG375:
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sb \$2, 0(\$2)

sw \$2, 0 (\$2)

srav \$1, \$2, \$2

mflo \$1

TAG376:

mflo \$2

mthi \$1

Iui \$1, 11

Iui \$3, 6

TAG377:

sII \$0, \$0, 0

addu \$4, \$3, \$3

sll \$0, \$0, 0

sllv \$2, \$1, \$2

TAG378:

slt \$4, \$2, \$2

bgez \$4, TAG379

mfhi \$2

div \$2, \$4

TAG379:

mfhi \$1

or \$2, \$1, \$2

mthi \$2

beq \$2, \$1, TAG380

TAG380:

slti \$3, \$2, 9

bne \$2, \$3, TAG381

Ibu \$3, 0(\$3)

srl \$1, \$3, 10

TAG381:

sltiu \$4, \$1, 8

mflo \$4

bne \$1, \$4, TAG382

mflo \$2

TAG382:

mult \$2, \$2

addiu \$2, \$2, 5

and \$1, \$2, \$2

bgez \$1, TAG383

TAG383:

div \$1, \$1

blez \$1, TAG384

Iui \$1, 7

mthi \$1

TAG384:

sltiu \$3, \$1, 13

mfhi \$4

bltz \$1, TAG385

divu \$1, \$4

TAG385:

sll \$0, \$0, 0

srav \$2, \$3, \$3

Iui \$1, 15

sll \$0, \$0, 0

TAG386:

bgez \$1, TAG387

xor \$3, \$1, \$1

sw \$3, 0(\$3)

Ib \$4, 0(\$1)

TAG387:

blez \$4, TAG388

sll \$0, \$0, 0

mfhi \$2

bne \$4, \$2, TAG388

TAG388:

Iui \$4, 13

mfhi \$4

mfhi \$3

mfhi \$3

TAG389:

mfhi \$2

Ib \$4, 0(\$3)

multu \$3, \$2

lui \$3, 7

TAG390:

mult \$3, \$3

mult \$3, \$3

bgez \$3, TAG391

addiu \$2, \$3, 14

TAG391:

Iui \$2, 10

sII \$0, \$0, 0

mult \$2, \$2

Iui \$4, 9

TAG392:

bne \$4, \$4, TAG393

Iui \$2, 15

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Iui $3, 12
```

srav \$4, \$4, \$3

TAG393:

beq \$4, \$4, TAG394

ori \$2, \$4, 3

div \$4, \$4

Iui \$2, 0

TAG394:

slt \$2, \$2, \$2

subu \$3, \$2, \$2

ori \$1, \$2, 2

sra \$1, \$3, 0

TAG395:

beq \$1, \$1, TAG396

multu \$1, \$1

Iui \$2, 14

slti \$1, \$1, 13

TAG396:

Ibu \$1, 0(\$1)

beq \$1, \$1, TAG397

srl \$2, \$1, 13

div \$1, \$1

TAG397:

Ih \$3, 0(\$2)

sh \$3, 0(\$2)

mflo \$1

Iui \$1, 6

TAG398:

sll \$0, \$0, 0

subu \$2, \$1, \$1

mfhi \$1

bgez \$2, TAG399

TAG399:

mtlo \$1

mtlo \$1

Iui \$4, 3

mflo \$3

TAG400:

sb \$3, 0(\$3)

or \$4, \$3, \$3

sllv \$2, \$4, \$4

sII \$1, \$4, 9

TAG401:

beq \$1, \$1, TAG402

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sw $1, 0($1)
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multu \$1, \$1

sw \$1, 0(\$1)

TAG402:

Iui \$4, 10

mthi \$1

mflo \$2

addi \$3, \$2, 15

TAG403:

sb \$3, 0(\$3)

mflo \$2

sra \$3, \$2, 4

sw \$2, 0(\$3)

TAG404:

addiu \$4, \$3, 12

beq \$4, \$4, TAG405

Iui \$1, 13

xori \$3, \$3, 3

TAG405:

bltz \$3, TAG406

mthi \$3

beq \$3, \$3, TAG406

mult \$3, \$3

TAG406:

sub \$4, \$3, \$3

sltu \$3, \$3, \$4

add \$4, \$4, \$3

Iui \$3, 0

TAG407:

mfhi \$3

Iui \$4, 2

bne \$4, \$4, TAG408

subu \$4, \$3, \$4

TAG408:

multu \$4, \$4

sra \$4, \$4, 6

sb \$4, 2048 (\$4)

Iui \$3, 3

TAG409:

sll \$0, \$0, 0

Iui \$2, 2

sh \$4, 2048 (\$4)

sII \$0, \$0, 0

TAG410:

mtlo \$2

sII \$0, \$0, 0

subu \$2, \$2, \$2

mtlo \$2

TAG411:

mtlo \$2

Ibu \$1, 0(\$2)

bgtz \$2, TAG412

mflo \$2

TAG412:

Iui \$2, 14

mfhi \$3

sll \$0, \$0, 0

subu \$2, \$2, \$3

TAG413:

bne \$2, \$2, TAG414

xor \$4, \$2, \$2

sb \$2, 0(\$4)

divu \$2, \$2

TAG414:

addiu \$3, \$4, 7

bne \$3, \$3, TAG415

sb \$3, 0(\$3)

blez \$3, TAG415

TAG415:

mthi \$3

Ibu \$2, 0(\$3)

Ibu \$1, 0(\$2)

Ibu \$4, 0(\$1)

TAG416:

Iui \$2, 14

mfhi \$3

mthi \$4

Iui \$3, 1

TAG417:

bgez \$3, TAG418

sII \$0, \$0, 0

bgez \$3, TAG418

Iui \$4, 7

TAG418:

mflo \$2

mthi \$4

sltiu \$4, \$4, 2

Iui \$3, 10

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TAG419:
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bne \$3, \$3, TAG420

xor \$2, \$3, \$3

andi \$2, \$2, 7

mflo \$1

TAG420:

beq \$1, \$1, TAG421

Iui \$4, 12

or \$4, \$1, \$1

mthi \$4

TAG421:

beq \$4, \$4, TAG422

Iui \$3, 12

bne \$3, \$3, TAG422

Iui \$2, 5

TAG422:

bgez \$2, TAG423

Iui \$1, 10

beq \$2, \$2, TAG423

Iui \$3, 14

TAG423:

mflo \$1

Iui \$1, 13

sll \$0, \$0, 0

mfhi \$2

TAG424:

mfhi \$2

slti \$3, \$2, 10

Ibu \$3, 0(\$2)

blez \$3, TAG425

TAG425:

multu \$3, \$3

Ib \$4, 0(\$3)

bgez \$4, TAG426

mfhi \$1

TAG426:

Ib \$1, 0(\$1)

Iw \$2, 4(\$1)

mthi \$1

Iui \$4, 3

TAG427:

srav \$3, \$4, \$4

sII \$0, \$0, 0

sll \$0, \$0, 0

srl \$3, \$4, 3

TAG428:

bgtz \$3, TAG429

mfhi \$1

bltz \$1, TAG429

mult \$3, \$3

TAG429:

sII \$0, \$0, 0

mfhi \$2

addiu \$1, \$2, 6

mfhi \$3

TAG430:

mthi \$3

Ib \$3, 4(\$3)

nor \$1, \$3, \$3

sw \$3, 4(\$3)

TAG431:

addiu \$1, \$1, 15

mult \$1, \$1

mthi \$1

bgtz \$1, TAG432

TAG432:

Ibu \$3, 0(\$1)

Ibu \$2, 0(\$3)

div \$3, \$1

sb \$3, 0(\$3)

TAG433:

sb \$2, -252 (\$2)

Iui \$1, 6

slti \$4, \$1, 3

mult \$4, \$4

TAG434:

mflo \$3

mtlo \$3

bgez \$4, TAG435

Ih \$1, 0(\$4)

TAG435:

mtlo \$1

Iui \$3, 15

Iui \$3, 1

Iui \$2, 8

TAG436:

sII \$0, \$0, 0

mfhi \$1

Iui \$1, 10

bne \$2, \$1, TAG437

TAG437:

sll \$0, \$0, 0

blez \$1, TAG438

multu \$1, \$1

mfhi \$3

TAG438:

Iui \$1, 7

bltz \$3, TAG439

addiu \$3, \$1, 11

srl \$3, \$3, 2

TAG439:

slt \$3, \$3, \$3

Ih \$2, 0(\$3)

Ibu \$3, 0(\$3)

1b \$1, -252 (\$3)

TAG440:

sII \$0, \$0, 0

beq \$1, \$1, TAG441

div \$1, \$1

sh \$1, 0(\$1)

TAG441:

mthi \$1

sb \$1, 4(\$1)

mthi \$1

sb \$1, 4(\$1)

TAG442:

Iui \$4, 7

and \$1, \$1, \$1

mflo \$3

mtlo \$1

TAG443:

mthi \$3

bne \$3, \$3, TAG444

mfhi \$2

Iui \$3, 8

TAG444:

multu \$3, \$3

slt \$1, \$3, \$3

addiu \$1, \$1, 1

bgtz \$3, TAG445

TAG445:

Iui \$3, 13

```
sra $2, $3, 4
```

blez \$2, TAG446

sII \$0, \$0, 0

TAG446:

sII \$0, \$0, 0

mtlo \$3

mult \$3, \$3

sII \$4, \$3, 6

TAG447:

mthi \$4

sll \$0, \$0, 0

bne \$4, \$4, TAG448

sll \$0, \$0, 0

TAG448:

sll \$0, \$0, 0

sra \$4, \$4, 6

Iui \$2, 5

Iui \$1, 10

TAG449:

mtlo \$1

beq \$1, \$1, TAG450

Iui \$1, 8

mthi \$1

TAG450:

sII \$0, \$0, 0

sII \$0, \$0, 0

nor \$1, \$1, \$1

Iui \$2, 0

TAG451:

multu \$2, \$2

srl \$2, \$2, 0

Ibu \$4, 0(\$2)

beq \$2, \$2, TAG452

TAG452:

mtlo \$4

sh \$4, -252 (\$4)

sII \$3, \$4, 4

sltu \$4, \$4, \$3

TAG453:

Iui \$1, 14

Iui \$2, 8

bne \$2, \$2, TAG454

sII \$0, \$0, 0

TAG454:

andi \$2, \$2, 9

sh \$2, 0(\$2)

beq \$2, \$2, TAG455

lui \$4, 7

TAG455:

sll \$0, \$0, 0

divu \$4, \$4

sll \$0, \$0, 0

divu \$3, \$4

TAG456:

blez \$4, TAG457

mtlo \$4

sltu \$4, \$4, \$4

Iui \$3, 10

TAG457:

mult \$3, \$3

beq \$3, \$3, TAG458

mtlo \$3

Ibu \$2, 0(\$3)

TAG458:

mthi \$2

mthi \$2

bgez \$2, TAG459

sltiu \$4, \$2, 5

TAG459:

subu \$1, \$4, \$4

bne \$1, \$1, TAG460

lui \$2, 9

Iui \$3, 6

TAG460:

blez \$3, TAG461

or \$3, \$3, \$3

bne \$3, \$3, TAG461

nor \$1, \$3, \$3

TAG461:

divu \$1, \$1

sII \$0, \$0, 0

mthi \$3

bne \$1, \$1, TAG462

TAG462:

andi \$3, \$3, 15

srl \$2, \$3, 3

bltz \$2, TAG463

sb \$3, 0(\$3)

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TAG463:
```

addu \$4, \$2, \$2

multu \$2, \$4

Ibu \$2, 0(\$2)

Ibu \$4, 0(\$2)

TAG464:

Iui \$1, 3

bgez \$1, TAG465

sll \$0, \$0, 0

mfhi \$2

TAG465:

beq \$2, \$2, TAG466

multu \$2, \$2

mthi \$2

beq \$2, \$2, TAG466

TAG466:

subu \$1, \$2, \$2

mthi \$2

mthi \$1

multu \$1, \$1

TAG467:

nor \$1, \$1, \$1

Iui \$2, 13

beq \$2, \$2, TAG468

addiu \$3, \$2, 0

TAG468:

bltz \$3, TAG469

mthi \$3

addiu \$2, \$3, 7

beq \$3, \$3, TAG469

TAG469:

sll \$0, \$0, 0

subu \$3, \$3, \$3

bne \$2, \$3, TAG470

mfhi \$1

TAG470:

Iui \$4, 7

andi \$1, \$1, 3

mult \$1, \$1

bne \$1, \$4, TAG471

TAG471:

Ihu \$1, 0(\$1)

sw \$1, 0(\$1)

Iui \$1, 15

```
bgez $1, TAG472
```

TAG472:

mthi \$1

mflo \$1

lui \$3, 13

bgtz \$3, TAG473

TAG473:

andi \$3, \$3, 5

mtlo \$3

beq \$3, \$3, TAG474

addi \$1, \$3, 3

TAG474:

mthi \$1

mfhi \$2

bgtz \$1, TAG475

mtlo \$2

TAG475:

mfhi \$2

lb \$4, 0(\$2)

sw \$2, 0 (\$4)

bltz \$2, TAG476

TAG476:

mtlo \$4

mflo \$1

mtlo \$4

lui \$4, 0

TAG477:

srav \$4, \$4, \$4

mtlo \$4

bne \$4, \$4, TAG478

Ih \$4, 0(\$4)

TAG478:

Iui \$3, 6

sII \$0, \$0, 0

Ib \$3, 0(\$4)

mfhi \$1

TAG479:

mflo \$3

beg \$3, \$1, TAG480

slt \$2, \$3, \$1

Ihu \$3, 0(\$3)

TAG480:

multu \$3, \$3

mthi \$3

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bgez $3, TAG481
```

Iui \$2, 3

TAG481:

bltz \$2, TAG482

mtlo \$2

mflo \$4

mtlo \$4

TAG482:

mfhi \$2

bne \$2, \$2, TAG483

sII \$0, \$0, 0

Ibu \$4, 0(\$2)

TAG483:

mult \$4, \$4

mflo \$3

sw \$4, 0(\$4)

beq \$4, \$3, TAG484

TAG484:

Ih \$1, 0(\$3)

mtlo \$1

Iui \$2, 5

blez \$3, TAG485

TAG485:

Iui \$1, 9

mflo \$2

mfhi \$2

andi \$2, \$2, 8

TAG486:

Iui \$1, 2

mthi \$2

bne \$2, \$2, TAG487

divu \$1, \$1

TAG487:

bltz \$1, TAG488

sII \$0, \$0, 0

mfhi \$2

Iui \$1, 0

TAG488:

Iw \$4, 0(\$1)

Iui \$2, 2

mult \$4, \$1

mult \$1, \$2

TAG489:

sll \$0, \$0, 0

mult \$2, \$2

sltu \$3, \$2, \$2

mflo \$1

TAG490:

Ib \$4, 0(\$1)

bltz \$4, TAG491

mtlo \$1

mthi \$4

TAG491:

beq \$4, \$4, TAG492

mfhi \$4

bne \$4, \$4, TAG492

Iw \$3, 0(\$4)

TAG492:

bgtz \$3, TAG493

Iui \$4, 7

mtlo \$3

mthi \$4

TAG493:

beq \$4, \$4, TAG494

andi \$1, \$4, 15

mult \$4, \$4

Iui \$3, 13

TAG494:

mthi \$3

beq \$3, \$3, TAG495

mflo \$3

mfhi \$4

TAG495:

sll \$0, \$0, 0

mthi \$4

beq \$4, \$4, TAG496

lui \$4, 1

TAG496:

bne \$4, \$4, TAG497

Iui \$3, 7

Iui \$1, 8

slt \$3, \$3, \$4

TAG497:

blez \$3, TAG498

Iui \$2, 15

bltz \$3, TAG498

sh \$3, 0(\$3)

TAG498:

subu \$1, \$2, \$2

srav \$1, \$1, \$2

div \$1, \$2

sb \$2, 0(\$1)

TAG499:

mflo \$2

blez \$1, TAG500

Iui \$1, 15

divu \$1, \$1

TAG500:

andi \$3, \$1, 5

sII \$0, \$0, 0

Iui \$1, 14

bltz \$1, TAG501

TAG501:

multu \$1, \$1

blez \$1, TAG502

sra \$2, \$1, 12

mfhi \$3

TAG502:

mtlo \$3

Iui \$2, 1

sll \$0, \$0, 0

mtlo \$2

TAG503:

sII \$0, \$0, 0

mthi \$2

Iui \$2, 2

mflo \$3

TAG504:

beq \$3, \$3, TAG505

Iui \$3, 11

bgez \$3, TAG505

Iui \$3, 11

TAG505:

bltz \$3, TAG506

mfhi \$1

sII \$0, \$0, 0

mtlo \$3

TAG506:

mult \$1, \$1

mtlo \$1

beq \$1, \$1, TAG507

sll \$0, \$0, 0

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TAG507:
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Iui \$4, 2

sIt \$2, \$1, \$4

divu \$2, \$2

subu \$1, \$4, \$1

TAG508:

multu \$1, \$1

srav \$1, \$1, \$1

sII \$0, \$0, 0

sII \$3, \$1, 2

TAG509:

and \$1, \$3, \$3

mfhi \$1

mtlo \$1

sll \$0, \$0, 0

TAG510:

blez \$1, TAG511

Ibu \$4, 0(\$1)

Ib \$2, 0(\$4)

mult \$1, \$4

TAG511:

xor \$3, \$2, \$2

bne \$3, \$3, TAG512

Iui \$4, 6

multu \$3, \$3

TAG512:

sII \$0, \$0, 0

mfhi \$2

slti \$3, \$4, 2

mtlo \$3

TAG513:

Ibu \$4, 0(\$3)

mfhi \$4

beq \$4, \$4, TAG514

mfhi \$1

TAG514:

mthi \$1

mthi \$1

sw \$1, 0(\$1)

mflo \$1

TAG515:

bltz \$1, TAG516

sIti \$1, \$1, 2

mfhi \$4

sb \$1, 0(\$1)

TAG516:

multu \$4, \$4

sw \$4, 0(\$4)

mtlo \$4

mtlo \$4

TAG517:

blez \$4, TAG518

slti \$4, \$4, 13

sw \$4, 0 (\$4)

mflo \$3

TAG518:

multu \$3, \$3

bgez \$3, TAG519

mtlo \$3

multu \$3, \$3

TAG519:

bne \$3, \$3, TAG520

Ib \$2, 0(\$3)

bne \$3, \$3, TAG520

andi \$3, \$2, 14

TAG520:

bne \$3, \$3, TAG521

Iui \$2, 1

Ibu \$1, 0(\$3)

beq \$3, \$1, TAG521

TAG521:

Iui \$1, 11

Iui \$3, 6

mfhi \$2

mfhi \$2

TAG522:

nor \$4, \$2, \$2

multu \$4, \$2

multu \$4, \$2

beq \$4, \$2, TAG523

TAG523:

addu \$3, \$4, \$4

srl \$3, \$4, 11

mflo \$2

srl \$2, \$3, 5

TAG524:

divu \$2, \$2

Iui \$1, 4

sII \$0, \$0, 0

Iui \$4, 4

TAG525:

blez \$4, TAG526

mflo \$1

bne \$4, \$4, TAG526

mfhi \$1

TAG526:

sII \$3, \$1, 8

Ih \$1, 0(\$3)

blez \$1, TAG527

mthi \$1

TAG527:

sb \$1, 0(\$1)

mtlo \$1

blez \$1, TAG528

multu \$1, \$1

TAG528:

Iw \$3, 0(\$1)

mthi \$1

add \$2, \$1, \$3

sh \$1, 0(\$2)

TAG529:

add \$2, \$2, \$2

mult \$2, \$2

beq \$2, \$2, TAG530

sw \$2, 0(\$2)

TAG530:

Ih \$1, 0(\$2)

subu \$2, \$1, \$1

addi \$3, \$2, 1

mtlo \$2

TAG531:

Iui \$1, 0

bne \$3, \$3, TAG532

Iui \$4, 11

bltz \$3, TAG532

TAG532:

sll \$0, \$0, 0

div \$4, \$4

sll \$0, \$0, 0

beq \$4, \$4, TAG533

TAG533:

Iui \$1, 8

mflo \$2

beq \$1, \$2, TAG534

mfhi \$3

TAG534:

sh \$3, 0(\$3)

addiu \$2, \$3, 9

bgtz \$2, TAG535

mtlo \$3

TAG535:

mthi \$2

divu \$2, \$2

bne \$2, \$2, TAG536

srlv \$3, \$2, \$2

TAG536:

bltz \$3, TAG537

mthi \$3

bne \$3, \$3, TAG537

multu \$3, \$3

TAG537:

mflo \$3

xor \$1, \$3, \$3

mtlo \$1

and \$3, \$3, \$1

TAG538:

andi \$4, \$3, 15

Ihu \$1, 0(\$4)

multu \$1, \$4

multu \$4, \$4

TAG539:

andi \$2, \$1, 10

multu \$2, \$2

sb \$2, 0(\$2)

Iw \$1, 0(\$2)

TAG540:

sub \$3, \$1, \$1

sh \$3, 0(\$3)

mfhi \$2

Iui \$4, 10

TAG541:

and \$2, \$4, \$4

beq \$4, \$4, TAG542

sllv \$2, \$4, \$2

beq \$2, \$2, TAG542

TAG542:

srl \$2, \$2, 5

mflo \$1

mthi \$2

bgez \$2, TAG543

TAG543:

mult \$1, \$1

bltz \$1, TAG544

Ihu \$2, 0(\$1)

multu \$1, \$1

TAG544:

lui \$4, 4

blez \$2, TAG545

Iui \$3, 15

Iui \$1, 2

TAG545:

mflo \$4

sw \$1, 0(\$1)

mfhi \$2

andi \$1, \$1, 6

TAG546:

mflo \$3

blez \$1, TAG547

sra \$3, \$1, 0

sb \$3, 0(\$1)

TAG547:

nor \$3, \$3, \$3

addiu \$1, \$3, 7

bne \$3, \$3, TAG548

sh \$3, 0(\$1)

TAG548:

Iui \$2, 13

bne \$2, \$1, TAG549

mflo \$1

bltz \$1, TAG549

TAG549:

Iui \$1, 14

sII \$0, \$0, 0

sII \$0, \$0, 0

sw \$1, 1(\$3)

TAG550:

Iui \$3, 8

mtlo \$3

ori \$2, \$3, 9

divu \$3, \$2

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TAG551:
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srav \$4, \$2, \$2

srav \$2, \$2, \$4

beq \$2, \$2, TAG552

divu \$4, \$2

TAG552:

mtlo \$2

sra \$4, \$2, 13

divu \$2, \$4

beq \$2, \$4, TAG553

TAG553:

mflo \$2

sh \$2, 0(\$4)

sII \$3, \$4, 12

beq \$2, \$4, TAG554

TAG554:

sll \$0, \$0, 0

srl \$4, \$3, 9

mthi \$4

Iui \$3, 3

TAG555:

bgez \$3, TAG556

div \$3, \$3

mfhi \$1

addu \$4, \$1, \$3

TAG556:

sra \$2, \$4, 15

slti \$2, \$4, 10

bltz \$2, TAG557

mult \$2, \$4

TAG557:

bltz \$2, TAG558

mflo \$1

add \$1, \$2, \$2

Iui \$2, 7

TAG558:

sII \$1, \$2, 11

Iui \$3, 3

or \$4, \$2, \$3

bltz \$4, TAG559

TAG559:

Iui \$4, 8

sII \$0, \$0, 0

sll \$0, \$0, 0

xori \$4, \$4, 12

TAG560:

mthi \$4

and \$3, \$4, \$4

mtlo \$4

sllv \$1, \$4, \$3

TAG561:

bltz \$1, TAG562

mult \$1, \$1

sb \$1, 0(\$1)

sw \$1, 0(\$1)

TAG562:

sll \$0, \$0, 0

sII \$0, \$0, 0

srav \$4, \$1, \$1

blez \$4, TAG563

TAG563:

mfhi \$4

mfhi \$3

mflo \$2

Iui \$4, 10

TAG564:

mult \$4, \$4

sll \$0, \$0, 0

mflo \$3

sltu \$3, \$4, \$4

TAG565:

mflo \$4

mult \$4, \$4

bgez \$3, TAG566

multu \$3, \$3

TAG566:

Iui \$2, 4

beq \$4, \$2, TAG567

sw \$2, 0 (\$4)

mfhi \$2

TAG567:

Iui \$4, 3

addiu \$3, \$2, 14

blez \$3, TAG568

Ibu \$2, 0(\$2)

TAG568:

addi \$2, \$2, 7

sb \$2, 0(\$2)

slti \$4, \$2, 9

bltz \$2, TAG569

TAG569:

Ib \$2, 0(\$4)

Iui \$2, 3

addu \$4, \$4, \$4

sII \$0, \$0, 0

TAG570:

Iui \$4, 8

slti \$4, \$3, 2

blez \$3, TAG571

subu \$2, \$3, \$3

TAG571:

bne \$2, \$2, TAG572

mult \$2, \$2

mult \$2, \$2

srlv \$1, \$2, \$2

TAG572:

bne \$1, \$1, TAG573

Iw \$4, 0(\$1)

mfhi \$3

bltz \$4, TAG573

TAG573:

mflo \$2

beq \$2, \$2, TAG574

mflo \$2

mthi \$2

TAG574:

sw \$2, 0(\$2)

bgez \$2, TAG575

mflo \$2

sII \$2, \$2, 3

TAG575:

Iui \$2, 13

xor \$3, \$2, \$2

addiu \$4, \$2, 1

bne \$4, \$3, TAG576

TAG576:

mtlo \$4

andi \$3, \$4, 3

Iui \$1, 6

Iui \$1, 6

TAG577:

mflo \$1

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mtlo $1
```

mult \$1, \$1

mflo \$3

TAG578:

mfhi \$1

sltiu \$2, \$1, 0

sw \$3, -169(\$1)

div \$2, \$1

TAG579:

bgez \$2, TAG580

Iui \$1, 6

subu \$1, \$2, \$1

bgtz \$1, TAG580

TAG580:

mthi \$1

mfhi \$1

mult \$1, \$1

subu \$3, \$1, \$1

TAG581:

bne \$3, \$3, TAG582

mthi \$3

mthi \$3

sh \$3, 0(\$3)

TAG582:

mthi \$3

beq \$3, \$3, TAG583

sw \$3, 0 (\$3)

mult \$3, \$3

TAG583:

beq \$3, \$3, TAG584

Iui \$3, 0

mflo \$1

beq \$3, \$1, TAG584

TAG584:

Iui \$3, 3

Iui \$4, 10

beq \$4, \$3, TAG585

sll \$0, \$0, 0

TAG585:

sll \$0, \$0, 0

addu \$3, \$4, \$1

Iui \$4, 10

sII \$0, \$0, 0

TAG586:

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mflo $3
```

Ihu \$2, 0(\$3)

ori \$1, \$3, 3

Iui \$4, 14

TAG587:

div \$4, \$4

mfhi \$4

mflo \$4

sb \$4, 0(\$4)

TAG588:

mtlo \$4

sra \$1, \$4, 12

bgez \$1, TAG589

sb \$1, 0(\$4)

TAG589:

mtlo \$1

sh \$1, 0(\$1)

beq \$1, \$1, TAG590

mult \$1, \$1

TAG590:

xori \$2, \$1, 9

mfhi \$2

sII \$3, \$1, 8

bgez \$3, TAG591

TAG591:

sh \$3, 0(\$3)

bltz \$3, TAG592

mfhi \$2

srlv \$2, \$3, \$3

TAG592:

Ih \$3, 0(\$2)

xor \$1, \$2, \$2

sra \$2, \$2, 7

sIt \$1, \$2, \$2

TAG593:

sII \$1, \$1, 12

mtlo \$1

mtlo \$1

multu \$1, \$1

TAG594:

Iui \$3, 2

mthi \$1

sII \$0, \$0, 0

sII \$1, \$3, 13

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TAG595:
```

subu \$4, \$1, \$1

xori \$3, \$4, 8

sll \$3, \$4, 9

mfhi \$1

TAG596:

mfhi \$3

beq \$3, \$3, TAG597

sw \$3, 0 (\$3)

slti \$3, \$3, 1

TAG597:

sh \$3, 0(\$3)

multu \$3, \$3

sII \$1, \$3, 13

Iui \$1, 5

TAG598:

Iui \$2, 1

xor \$1, \$1, \$1

sh \$1, 0(\$1)

Ih \$2, 0(\$1)

TAG599:

bne \$2, \$2, TAG600

multu \$2, \$2

lui \$4, 1

lui \$2, 15

TAG600:

mfhi \$3

multu \$2, \$2

beq \$2, \$2, TAG601

lui \$4, 9

TAG601:

divu \$4, \$4

xor \$1, \$4, \$4

mfhi \$3

addiu \$1, \$1, 15

TAG602:

bgez \$1, TAG603

div \$1, \$1

beq \$1, \$1, TAG603

Ih \$4, 0(\$1)

TAG603:

Iui \$1, 13

mthi \$4

mthi \$1

or \$2, \$4, \$4

TAG604:

multu \$2, \$2

Iui \$2, 10

Iui \$4, 8

subu \$1, \$2, \$2

TAG605:

mflo \$3

sh \$3, 0(\$1)

bne \$3, \$1, TAG606

Ihu \$4, 0(\$1)

TAG606:

mfhi \$3

sb \$3, 0(\$3)

Ib \$2, 0(\$3)

beq \$4, \$4, TAG607

TAG607:

Iui \$4, 15

Iui \$3, 8

beq \$3, \$2, TAG608

multu \$3, \$3

TAG608:

bne \$3, \$3, TAG609

sII \$0, \$0, 0

Iui \$3, 2

div \$3, \$3

TAG609:

srav \$3, \$3, \$3

mthi \$3

nor \$3, \$3, \$3

sII \$0, \$0, 0

TAG610:

bgtz \$3, TAG611

Iui \$1, 5

div \$3, \$1

mthi \$3

TAG611:

sllv \$4, \$1, \$1

mthi \$4

sltu \$4, \$4, \$1

xori \$3, \$1, 10

TAG612:

div \$3, \$3

bgtz \$3, TAG613

sll \$0, \$0, 0

bne \$3, \$3, TAG613

TAG613:

mfhi \$4

mflo \$4

beq \$3, \$4, TAG614

multu \$3, \$4

TAG614:

sb \$4, 0(\$4)

blez \$4, TAG615

ori \$3, \$4, 13

mthi \$3

TAG615:

or \$1, \$3, \$3

srav \$3, \$1, \$1

beq \$3, \$1, TAG616

div \$1, \$1

TAG616:

multu \$3, \$3

sh \$3, 0(\$3)

multu \$3, \$3

mfhi \$1

TAG617:

mfhi \$4

mflo \$4

mthi \$4

Ibu \$1, 0(\$4)

TAG618:

Ihu \$1, 0(\$1)

blez \$1, TAG619

addiu \$4, \$1, 2

srav \$3, \$4, \$1

TAG619:

Iw \$1, 0(\$3)

mflo \$1

srlv \$3, \$1, \$1

sh \$3, 0(\$3)

TAG620:

mult \$3, \$3

sh \$3, 0(\$3)

and \$1, \$3, \$3

Iui \$2, 13

TAG621:

bne \$2, \$2, TAG622

sII \$0, \$0, 0

sII \$0, \$0, 0

subu \$1, \$3, \$3

TAG622:

bgez \$1, TAG623

xori \$4, \$1, 7

mfhi \$3

beq \$1, \$4, TAG623

TAG623:

mthi \$3

multu \$3, \$3

sh \$3, 0(\$3)

sw \$3, 0 (\$3)

TAG624:

bne \$3, \$3, TAG625

mfhi \$4

Iui \$2, 2

beq \$3, \$3, TAG625

TAG625:

addu \$4, \$2, \$2

addiu \$3, \$4, 11

mtlo \$2

sII \$0, \$0, 0

TAG626:

addiu \$4, \$2, 2

mfhi \$4

sw \$4, 0(\$4)

mfhi \$2

TAG627:

sw \$2, 0(\$2)

slt \$4, \$2, \$2

Iw \$4, 0(\$2)

mfhi \$2

TAG628:

Ihu \$3, 0(\$2)

srl \$3, \$3, 4

bgez \$3, TAG629

mthi \$2

TAG629:

Iui \$3, 9

sll \$0, \$0, 0

mtlo \$3

Iui \$2, 7

TAG630:

mflo \$4

Iui \$3, 5

beq \$3, \$3, TAG631

sll \$0, \$0, 0

TAG631:

divu \$3, \$3

Iui \$3, 15

bgtz \$3, TAG632

multu \$3, \$3

TAG632:

andi \$2, \$3, 14

sII \$0, \$0, 0

mthi \$2

Iui \$2, 7

TAG633:

bgtz \$2, TAG634

multu \$2, \$2

mthi \$2

nor \$1, \$2, \$2

TAG634:

sII \$1, \$1, 15

sltu \$4, \$1, \$1

mflo \$2

Iui \$3, 12

TAG635:

mult \$3, \$3

bne \$3, \$3, TAG636

Iui \$4, 0

mtlo \$3

TAG636:

mthi \$4

Iui \$4, 9

mflo \$2

sra \$1, \$4, 4

TAG637:

mthi \$1

beq \$1, \$1, TAG638

andi \$4, \$1, 3

multu \$1, \$1

TAG638:

xori \$1, \$4, 13

addu \$3, \$1, \$4

and \$3, \$4, \$1

sra \$4, \$3, 1

```
TAG639:
```

sh \$4, 0(\$4)

Iui \$4, 12

mfhi \$2

nor \$1, \$4, \$4

TAG640:

subu \$1, \$1, \$1

Ih \$3, 0(\$1)

bltz \$1, TAG641

srl \$1, \$1, 2

TAG641:

multu \$1, \$1

andi \$3, \$1, 7

mflo \$2

Iui \$3, 8

TAG642:

mult \$3, \$3

bne \$3, \$3, TAG643

sll \$0, \$0, 0

Iui \$1, 4

TAG643:

bltz \$1, TAG644

Iui \$1, 2

sll \$0, \$0, 0

mflo \$1

TAG644:

add \$4, \$1, \$1

multu \$1, \$1

beq \$1, \$1, TAG645

multu \$4, \$1

TAG645:

Ihu \$3, 0(\$4)

mult \$4, \$3

bgtz \$4, TAG646

or \$3, \$4, \$3

TAG646:

Iui \$3, 2

sII \$0, \$0, 0

sll \$0, \$0, 0

mthi \$3

TAG647:

multu \$2, \$2

mflo \$3

srl \$1, \$2, 3

```
bltz $1, TAG648
```

TAG648:

mfhi \$3

slti \$3, \$3, 12

lui \$3, 14

sll \$0, \$0, 0

TAG649:

mthi \$3

mtlo \$3

bltz \$3, TAG650

mtlo \$3

TAG650:

bltz \$3, TAG651

srlv \$1, \$3, \$3

lui \$2, 9

sItiu \$1, \$1, 4

TAG651:

bne \$1, \$1, TAG652

Iui \$4, 5

blez \$1, TAG652

Ihu \$2, 0(\$1)

TAG652:

subu \$2, \$2, \$2

srav \$3, \$2, \$2

bne \$2, \$2, TAG653

Iui \$2, 4

TAG653:

bltz \$2, TAG654

mtlo \$2

subu \$3, \$2, \$2

mflo \$1

TAG654:

div \$1, \$1

srl \$1, \$1, 0

bne \$1, \$1, TAG655

xori \$4, \$1, 10

TAG655:

beq \$4, \$4, TAG656

srlv \$1, \$4, \$4

sltiu \$2, \$4, 8

sllv \$2, \$2, \$4

TAG656:

slti \$4, \$2, 13

sII \$0, \$0, 0

beq \$2, \$4, TAG657

multu \$2, \$2

TAG657:

mfhi \$3

addu \$1, \$3, \$4

Iui \$4, 15

Iw \$2, 0(\$1)

TAG658:

mthi \$2

sll \$0, \$0, 0

srl \$2, \$2, 14

sh \$2, -19456(\$2)

TAG659:

blez \$2, TAG660

sra \$2, \$2, 14

and \$3, \$2, \$2

addu \$1, \$2, \$2

TAG660:

div \$1, \$1

bne \$1, \$1, TAG661

sh \$1, 0(\$1)

bgtz \$1, TAG661

TAG661:

sh \$1, 0(\$1)

xori \$4, \$1, 5

andi \$2, \$4, 4

sIIv \$4, \$4, \$2

TAG662:

mfhi \$2

bltz \$4, TAG663

Ihu \$3, 0(\$4)

mult \$4, \$2

TAG663:

ori \$4, \$3, 13

andi \$1, \$4, 11

mthi \$4

lb \$2, 0(\$4)

TAG664:

Ibu \$2, 0(\$2)

addiu \$2, \$2, 6

mult \$2, \$2

Iui \$1, 12

TAG665:

or \$2, \$1, \$1

```
Iui $2, 9
```

nor \$4, \$2, \$2

sII \$0, \$0, 0

TAG666:

mfhi \$2

or \$2, \$2, \$2

Iui \$2, 3

bltz \$2, TAG667

TAG667:

mfhi \$1

mthi \$2

mthi \$2

beq \$2, \$1, TAG668

TAG668:

Ib \$1, 0(\$1)

sII \$1, \$1, 3

Ihu \$1, 0(\$1)

blez \$1, TAG669

TAG669:

sh \$1, -19456(\$1)

bltz \$1, TAG670

sh \$1, -19456(\$1)

bgtz \$1, TAG670

TAG670:

sII \$0, \$0, 0

beq \$4, \$1, TAG671

subu \$1, \$1, \$4

blez \$4, TAG671

TAG671:

mtlo \$1

Iui \$3, 14

bltz \$1, TAG672

Iui \$2, 3

TAG672:

sra \$2, \$2, 0

addiu \$1, \$2, 15

sII \$0, \$0, 0

sII \$0, \$0, 0

TAG673:

xor \$1, \$1, \$1

mtlo \$1

bgez \$1, TAG674

Iui \$2, 3

TAG674:

beq \$2, \$2, TAG675

sII \$0, \$0, 0

Ihu \$1, 0(\$2)

multu \$2, \$1

TAG675:

beq \$1, \$1, TAG676

mult \$1, \$1

mfhi \$1

bgtz \$1, TAG676

TAG676:

sII \$2, \$1, 15

sb \$2, 0(\$1)

mult \$1, \$1

mthi \$1

TAG677:

Iui \$1, 1

srl \$3, \$1, 7

mthi \$2

Ihu \$3, 0(\$2)

TAG678:

mfhi \$3

bne \$3, \$3, TAG679

lui \$4, 4

sra \$4, \$3, 1

TAG679:

mflo \$3

Ih \$3, 0(\$3)

bltz \$3, TAG680

ori \$2, \$3, 2

TAG680:

mtlo \$2

bgtz \$2, TAG681

Iw \$4, -19458 (\$2)

sb \$4, 0(\$4)

TAG681:

sII \$0, \$0, 0

mthi \$4

blez \$4, TAG682

sII \$0, \$0, 0

TAG682:

or \$1, \$3, \$3

mflo \$4

bgtz \$1, TAG683

Iui \$4, 10

```
TAG683:
```

Iui \$1, 1

xor \$2, \$1, \$4

blez \$4, TAG684

mthi \$4

TAG684:

bltz \$2, TAG685

lui \$4, 1

Iui \$4, 4

bltz \$4, TAG685

TAG685:

mtlo \$4

mtlo \$4

mflo \$1

sll \$0, \$0, 0

TAG686:

subu \$4, \$1, \$1

mfhi \$2

sll \$0, \$0, 0

divu \$2, \$2

TAG687:

divu \$2, \$2

lui \$2, 1

sll \$0, \$0, 0

bltz \$2, TAG688

TAG688:

addu \$2, \$2, \$2

mtlo \$2

Iui \$4, 2

sra \$2, \$4, 8

TAG689:

sll \$0, \$0, 0

mflo \$2

Iui \$3, 0

mtlo \$2

TAG690:

bgez \$3, TAG691

sllv \$3, \$3, \$3

add \$3, \$3, \$3

bne \$3, \$3, TAG691

TAG691:

sh \$3, 0(\$3)

bltz \$3, TAG692

mthi \$3

mflo \$4

TAG692:

divu \$4, \$4

sII \$1, \$4, 14

sll \$0, \$0, 0

bne \$4, \$1, TAG693

TAG693:

sIti \$3, \$2, 5

Iui \$2, 0

sh \$2, 0(\$2)

sw \$2, 0 (\$3)

TAG694:

mfhi \$3

mtlo \$3

Ihu \$1, 0(\$3)

Iui \$1, 10

TAG695:

beq \$1, \$1, TAG696

Iui \$3, 1

xori \$3, \$1, 8

sh \$1, 0(\$3)

TAG696:

bgtz \$3, TAG697

sll \$0, \$0, 0

bne \$3, \$3, TAG697

sh \$3, 0(\$3)

TAG697:

xori \$3, \$3, 15

sra \$3, \$3, 8

mtlo \$3

mtlo \$3

TAG698:

Iui \$2, 10

and \$3, \$3, \$3

mult \$2, \$2

blez \$3, TAG699

TAG699:

Iui \$2, 0

divu \$3, \$3

bltz \$2, TAG700

sw \$2, -256(\$3)

TAG700:

mthi \$2

multu \$2, \$2

```
srl $1, $2, 2
```

add \$4, \$1, \$2

TAG701:

multu \$4, \$4

Iui \$2, 3

Iui \$2, 11

sra \$2, \$4, 8

TAG702:

sb \$2, 0(\$2)

bne \$2, \$2, TAG703

Iw \$2, 0(\$2)

multu \$2, \$2

TAG703:

Iui \$4, 8

sh \$2, 0(\$2)

srl \$3, \$4, 10

mflo \$4

TAG704:

Iui \$3, 10

div \$3, \$3

bne \$3, \$4, TAG705

nor \$4, \$4, \$4

TAG705:

sll \$0, \$0, 0

subu \$4, \$4, \$2

mflo \$3

blez \$4, TAG706

TAG706:

slt \$2, \$3, \$3

beq \$2, \$2, TAG707

mthi \$2

Iui \$1, 6

TAG707:

bltz \$1, TAG708

mfhi \$3

bgez \$1, TAG708

Ihu \$1, 0(\$1)

TAG708:

mult \$1, \$1

sb \$1, 0(\$1)

lui \$4, 12

Iui \$4, 8

TAG709:

mfhi \$4

Iui \$4, 3

sII \$0, \$0, 0

sltiu \$3, \$4, 3

TAG710:

multu \$3, \$3

Ibu \$3, 0(\$3)

mflo \$1

Iui \$2, 0

TAG711:

Ih \$3, 0(\$2)

bgez \$3, TAG712

srlv \$3, \$2, \$2

beq \$3, \$3, TAG712

TAG712:

mfhi \$3

blez \$3, TAG713

mflo \$4

ori \$1, \$4, 10

TAG713:

Ih \$3, 0(\$1)

bltz \$1, TAG714

Iui \$3, 14

multu \$3, \$3

TAG714:

addu \$1, \$3, \$3

sll \$0, \$0, 0

sII \$2, \$3, 0

sll \$0, \$0, 0

TAG715:

subu \$3, \$2, \$2

sII \$0, \$0, 0

mtlo \$2

Iui \$1, 5

TAG716:

sll \$0, \$0, 0

srl \$4, \$1, 9

andi \$2, \$1, 9

sII \$0, \$0, 0

TAG717:

sb \$4, -640 (\$4)

lw \$4, -640 (\$4)

bgtz \$4, TAG718

srav \$2, \$4, \$4

TAG718:

blez \$2, TAG719

Ib \$2, 0(\$2)

bne \$2, \$2, TAG719

andi \$1, \$2, 7

TAG719:

mult \$1, \$1

sltiu \$2, \$1, 6

Iui \$2, 4

lui \$3, 14

TAG720:

sll \$0, \$0, 0

Iui \$1, 6

mfhi \$1

sII \$2, \$1, 6

TAG721:

Ih \$2, 0(\$2)

bltz \$2, TAG722

Ihu \$2, 0(\$2)

bgez \$2, TAG722

TAG722:

sII \$2, \$2, 5

blez \$2, TAG723

sub \$3, \$2, \$2

mflo \$3

TAG723:

Iui \$2, 2

mult \$3, \$3

Iui \$3, 10

addiu \$1, \$2, 15

TAG724:

sll \$0, \$0, 0

sll \$0, \$0, 0

Iui \$4, 4

beq \$1, \$1, TAG725

TAG725:

sll \$0, \$0, 0

mfhi \$1

srlv \$4, \$4, \$4

blez \$4, TAG726

TAG726:

sll \$0, \$0, 0

Iui \$2, 2

blez \$4, TAG727

ori \$2, \$4, 5

```
TAG727:
```

sII \$0, \$0, 0

bltz \$2, TAG728

div \$2, \$2

bne \$2, \$2, TAG728

TAG728:

sII \$0, \$0, 0

bgez \$2, TAG729

sll \$0, \$0, 0

bgtz \$4, TAG729

TAG729:

sII \$0, \$0, 0

sltu \$2, \$1, \$4

srl \$1, \$4, 12

mflo \$1

TAG730:

bgez \$1, TAG731

sb \$1, 0(\$1)

mfhi \$1

mthi \$1

TAG731:

blez \$1, TAG732

sb \$1, 0(\$1)

nor \$4, \$1, \$1

mtlo \$4

TAG732:

sII \$0, \$0, 0

bne \$1, \$4, TAG733

Iw \$1, 2(\$4)

mflo \$2

TAG733:

Ib \$3, 0(\$2)

mfhi \$2

blez \$2, TAG734

mthi \$3

TAG734:

mtlo \$2

lui \$1, 13

mthi \$1

Iui \$3, 3

TAG735:

addiu \$3, \$3, 14

mfhi \$3

mthi \$3

Iui \$2, 10

TAG736:

div \$2, \$2

sll \$0, \$0, 0

subu \$1, \$2, \$2

mult \$1, \$2

TAG737:

sb \$1, 0(\$1)

add \$3, \$1, \$1

Iui \$3, 4

bgez \$3, TAG738

TAG738:

Iui \$1, 13

bltz \$1, TAG739

srl \$1, \$3, 6

addu \$1, \$1, \$1

TAG739:

sb \$1, -8192(\$1)

srl \$3, \$1, 1

beq \$3, \$1, TAG740

Ihu \$3, -4096 (\$3)

TAG740:

nor \$3, \$3, \$3

divu \$3, \$3

mult \$3, \$3

sb \$3, 257(\$3)

TAG741:

sll \$0, \$0, 0

bne \$3, \$3, TAG742

sb \$3, 257(\$3)

bne \$2, \$2, TAG742

TAG742:

Iui \$4, 4

sII \$0, \$0, 0

mfhi \$4

sll \$0, \$0, 0

TAG743:

bltz \$4, TAG744

mflo \$4

mult \$4, \$4

sll \$0, \$0, 0

TAG744:

andi \$3, \$1, 0

mfhi \$3

```
addiu $4, $3, 15
```

divu \$3, \$3

TAG745:

multu \$4, \$4

srlv \$3, \$4, \$4

Iw \$3, 0(\$4)

sII \$0, \$0, 0

TAG746:

mult \$1, \$1

lw \$1, -8192 (\$1)

Ib \$3, −511(\$1)

beg \$3, \$1, TAG747

TAG747:

sltu \$1, \$3, \$3

beq \$3, \$1, TAG748

mflo \$4

srlv \$1, \$3, \$4

TAG748:

sltu \$2, \$1, \$1

blez \$1, TAG749

sIti \$1, \$1, 11

Iui \$2, 4

TAG749:

mtlo \$2

mtlo \$2

beq \$2, \$2, TAG750

multu \$2, \$2

TAG750:

nop

nop

test\_end:

beq \$0, \$0, test\_end

nop

输出

@00003000: \$ 1 <= 00000004 @00003004: \$ 2 <= 0000000b @00003008: \$ 3 <= 00000005 @0000300c: \$ 4 <= 00000001

@00003010: \*00000000 <= 00000004

@00003014: \*00000004 <= 0000000b

@00003018: \*00000008 <= 00000005 @0000301c: \*0000000c <= 0000000b

@0000301C: \*0000000C <= 0000000D

@00003024: \*00000014 <= 00000004

```
@00003028: *00000018 <= 00000004
@0000302c: *0000001c <= 00000001
@00003030: *00000020 <= 00000001
@00003034: *00000024 <= 0000000b
@00003038: *00000028 <= 00000004
@0000303c: *0000002c <= 00000004
@00003040: *00000030 <= 0000000b
@00003044: *00000034 <= 00000004
@00003048: *00000038 <= 00000005
@0000304c: *0000003c <= 00000005
@00003050: *00000040 <= 00000001
@00003054: *00000044 <= 00000005
@00003058: *00000048 <= 00000001
@0000305c: *0000004c <= 00000005
@00003060: *00000050 <= 0000000b
@00003064: *00000054 <= 00000004
@00003068: *00000058 <= 0000000b
@0000306c: *0000005c <= 00000005
@00003070: *00000060 <= 0000000b
@00003074: *00000064 <= 00000001
@00003078: *00000068 <= 0000000b
@0000307c: *0000006c <= 00000004
@00003080: *00000070 <= 00000005
@00003084: *00000074 <= 00000001
@00003088: *00000078 <= 00000004
@0000308c: *0000007c <= 00000004
@00003090: $ 3 <= 00010000
@00003094: $ 2 <= 00000000
@000030a4: $ 1 <= 000a0000
@000030b4: $ 1 <= 000a0000
@000030c0: $ 4 <= 00090000
@000030d0: $ 2 <= 00000000
@000030d4: $ 3 <= 00000000
@000030d8: *00000000 <= 00000000
@000030f4: $ 3 <= 00000000
@00003100: $ 4 <= 00000000
@00003108: $ 3 <= 00000000
@00003114: $ 1 <= 00000000
@00003118: $ 1 <= 00000000
@0000311c: *00000000 <= 00000000
@00003124: $ 1 <= 00000000
@00003128: $ 3 <= 00000000
```

@0000312c: \*00000000 <= 00000000

@00003134: \$ 2 <= 00000000

```
@0000313c: $ 1 <= 00000000
```

- @00003140: \$ 1 <= 00000000
- @00003150: \$ 4 <= 00000000
- @00003154: \$ 1 <= 00000000
- @00003158: \*00000000 <= 00000000
- @0000315c: \$ 3 <= 00000000
- @00003160: \$ 2 <= 00000000
- @00003164: \$ 4 <= 00000000
- @00003168: \*00000000 <= 00000000
- @00003170: \$ 4 <= 00000000
- @00003174: \$ 4 <= 00000000
- @00003178: \*00000000 <= 00000000
- @0000317c: \*00000000 <= 00000000
- @00003180: \$ 3 <= 00000000
- @00003184: \$ 2 <= 00000000
- @00003194: \$ 2 <= 000e0000
- @000031a4: \$ 2 <= 000a0000
- @000031a8: \$ 2 <= 00000000
- @000031ac: \$ 4 <= 000a0000
- @000031c0: \$ 1 <= 000f0000
- @000031c4: \$ 3 <= 000e0000
- @000031cc: \$ 4 <= 000e0000
- @000031d0: \$ 2 <= 00000000
- @000031e8: \$ 3 <= 000001c0
- 00000164 40000000 / 00000
- @000031f4:  $*00000000 \le 000001c0$
- @000031fc: \$ 1 <= 000001c3
- @00003200: \$ 3 <= 00000000
- @00003208: \$ 4 <= 000a0000
- @00003214: \$ 4 <= 000001c3
- @00003218: \$ 4 <= 00000003
- @0000321c: \$ 1 <= 00090000
- @00003224: \$ 4 <= 00000000
- @00003230: \$ 2 <= 00031000
- @00003234: \$ 4 <= 00000000
- @00003240: \$ 2 <= 00000000
- @00003244: \$ 3 <= 000000c0
- @00003248: \$ 3 <= ffffffc0
- @0000324c: \$ 4 <= fffffca
- @00003258: \*00000000 <= 000001ca
- @00003260: \$ 3 <= 00010000
- @00003268: \$ 3 <= 00010009
- @0000326c: \*00000000 <= 000001ca
- @00003274: \$ 4 <= 00000000
- @00003284: \$ 2 <= 00040000

```
@00003288: $ 1 <= 00090000
```

- @0000328c: \$ 3 <= 00100000
- @00003290: \$ 3 <= 0010000f
- @00003298: \$ 3 <= 000e0000
- @000032a0: \$ 3 <= 000e0000
- @000032a8: \$ 2 <= 001c0000
- @000032b8: \$ 2 <= 00010000
- @000032c4: \$ 4 <= 0009000a
- @000032d0: \$ 3 <= 005a0000
- @000032e0: \$ 1 <= 000d0000
- @000032ec: \$ 4 <= 00000000
- @000032f0: \*00000000 <= 00000000
- @000032f4: \$ 2 <= 00000001
- @000032f8: \$ 1 <= 00000000
- @00003304: \$ 4 <= 00000001
- @0000331c: \$ 3 <= 00010000
- @00003330: \$ 2 <= 00000000
- @00003338: \$ 4 <= 00000000
- @0000333c: \$ 3 <= 00000000
- @00003340: \$ 3 <= 00080000
- @00003344: \$ 1 <= 00040000
- @0000334c: \$ 2 <= 00000000
- @00003354: \$ 4 <= 00000000
- @0000335c: \$ 3 <= 00000000
- @00003360: \$ 1 <= 00000000
- @00003364: \$ 2 <= 00000000
- @0000336c: \$ 2 <= 00050000
- @00003370: \$ 3 <= 00000000
- @00003374: \*00000000 <= 00000000
- @00003378: \*00000000 <= 00000000
- @00003380: \*00000000 <= 00000000
- @00003380: \*00000000 <= 00000000
- @00003384: \$ 4 <= 00000000
- @00003388: \$ 1 <= 00000000
- @00003390: \$ 4 <= 00000000
- @00003398: \$ 3 <= 000c0000
- @0000339c: \$ 3 <= 00000000
- @000033a4: \$ 3 <= 000d0000
- @000033b0: \$ 2 <= 00020000
- @000033b4: \$ 1 <= 00020000
- @000033c0: \$ 4 <= 000b0000
- @000033d8: \$ 2 <= 000b0000
- @000033dc: \$ 1 <= fff4ffff
- @000033e0: \$ 2 <= 00000000

```
@000033e8: $ 1 <= fff4ffff
```

- @000033ec: \$ 4 <= 00000000
- @000033fc: \$ 4 <= 000f0000
- @00003408: \$ 4 <= 00000000
- @0000340c: \$ 3 <= 000a0000
- @00003420: \$ 4 <= 00000000
- $@00003428: $ 4 \le 00000000$
- @00003430: \$ 4 <= 00040000
- @00003430: \$ 4 <= 00040000
- @00003434: \$ 1 <= 0004000e
- @0000343c: \$ 2 <= 00000000
- @00003444: \*00000000 <= 00000000
- @00003448: \$ 3 <= 00000000
- @0000344c: \*00000000 <= 00000000
- @00003450: \$ 3 <= 00000000
- @00003454: \$ 1 <= 000f0000
- @00003458: \$ 2 <= 00000000
- @00003460: \$ 2 <= 000b0000
- @00003460: \$ 2 <= 000b0000
- @0000346c: \$ 1 <= 00005800
- @00003470: \$ 3 <= 00005800
- @00003474: \$ 2 <= 00000000
- @00003478: \*00000000 <= 00005800
- @0000347c: \$ 4 <= 00005800
- @00003480: \$ 4 <= 000b0000
- @00003484: \$ 1 <= 00000000
- @00003488: \$ 2 <= fff4ffff
- @00003498: \$ 4 <= 000e0000
- @0000349c: \$ 2 <= 000e0000
- @000034a4: \$ 4 <= 00000000
- @000034b0: \$ 1 <= 000b0000
- @000034b4: \$ 1 <= 00000001
- @000034b4. φ 1 <= 00000001
- @000034b8: \$ 3 <= 00080000 @000034c4: \$ 4 <= 00000001
- @000034cc: \$ 2 <= 00000000
- @000034d4: \$ 4 <= 00000000
- @000034ec: \$ 3 <= 00000000
- @000034f4: \*00000000 <= 00000000
- @000034f8: \$ 2 <= 00000000
- @00003500: \*00000000 <= 00000000
- @00003504: \$ 1 <= 00000000
- @0000350c: \$ 1 <= 000b0000
- @00003510: \$ 3 <= 000b0000
- @00003514: \$ 2 <= 000b0000

```
@00003518: $ 1 <= 00000000
```

- @0000351c: \$ 3 <= 00000000
- @00003520: \$ 2 <= 00000000
- @00003528: \$ 3 <= 00000000
- @0000352c: \$ 2 <= 00000000
- @00003530: \$ 4 <= 00000000
- @00003538: \$ 4 <= 00000000
- @00003544: \$ 3 <= 00030000
- @0000354c: \$ 1 <= 00040000
- @00003550: \$ 4 <= 0004000f
- @00003554: \$ 2 <= 00000000
- @0000355c: \$ 2 <= 00000000
- @00003560: \$ 1 <= 00000000
- @00003564: \$ 3 <= 00000000
- @00003568: \$ 2 <= 00000000
- @0000356c:  $$4 \le 00000000$
- @00003578: \$ 2 <= 0000000c
- @0000357c: \*00000000 <= 0000000c
- @00003580: \*0000000c <= 0000000c
- @00003588: \*0000000c <= 0000000c
- @00003590: \$ 1 <= 00000000
- @000035a0: \$ 2 <= 0000000e
- @000035a4: \$ 3 <= 0000000e
- @000035a8: \$ 1 <= 0000000e
- @000035b0: \*0000000c <= 000e000c
- @000035c0: \$ 4 <= 00050000
- @000035c4: \$ 3 <= 00000000
- @000035cc:  $$2 \le 0000000c$
- @000035d0: \$ 2 <= 00000000
- @000035d4: \*00000000 <= 00000000
- @000035dc: \$ 1 <= 00000000
- @000035e0: \*00000000 <= 00000000
- @000035e4: \$ 1 <= 00000000
- @000035ec: \$ 2 <= 00000000
- @000035f4: \$ 1 <= 000f0000
- @000035fc: \$ 3 <= 00000000
- @00003600: \$ 1 <= 000c0000
- eσσσσσσσο. ψ 1 <= σσσσσσσσσ
- @00003608: \$ 1 <= 000c0000 @0000360c: \$ 1 <= 00000000
- @00003610: \$ 1 <= 00020000
- @00003010. Ψ 1 <= 00020000
- @00003618: \$ 1 <= 00020002
- @0000361c: \$ 1 <= 0002000c @00003620: \$ 1 <= 000e0000
- @00003624: \$ 1 <= c0000000

```
@0000362c: $ 2 <= 00020000
```

- @00003630: \$ 2 <= 000e0000
- @00003634: \$ 2 <= 000e000e
- @00003650: \$ 4 <= 00000280
- @00003654: \$ 4 <= 00070000
- @0000365c: \$ 2 <= 00050000
- @00003660: \$ 3 <= 00030000
- @00003670: \$ 2 <= 00000000
- @00003674: \$ 2 <= 00000000
- @0000367c: \$ 4 <= 00000000
- @00003684: \$ 2 <= 00000000
- @00003688: \$ 3 <= 00000019
- @0000368c: \$ 1 <= 00000000
- @00003690: \$ 3 <= 00000000
- @00003694: \$ 3 <= 00050000
- @00003698: \$ 2 <= 0005000a
- @0000369c: \$ 3 <= 00000001
- @000036a0: \$ 3 <= 00000001
- @000036a4: \$ 3 <= 00030000
- @000036ac: \$ 4 <= 00000001
- @000036b0: \$ 2 <= 00020000
- @000036c0: \$ 3 <= 00000000
- @000036c8: \$ 4 <= 00000001
- @000036d4: \$ 1 <= 00030000
- @000036d8: \$ 4 <= 00003000
- @000036dc: \$ 4 <= 00000001
- @000036e4: \*00000000 <= 00000100
- @000036e8: \$ 1 <= 00000001
- @000036f0: \$ 2 <= 00000001
- @000036f4: \$ 3 <= 00000001
- @000036f8: \$ 2 <= 00000001
- @000036fc: \$ 1 <= 00000001
- @00003700: \$ 2 <= 00030000
- $@00003704: $ 4 \le 00000000$
- $@00003708: $ 1 \le 00000000$
- @0000370c: \$ 3 <= 00000000
- @00003710:  $$3 \le 000e0000$
- @00003714: \$ 2 <= 00000000
- @00003720: \$ 2 <= 00000000
- @0000372c: \*00000000 <= 00000000
- @00003730: \*00000000 <= 00000000
- @00003734: \$ 1 <= 00000000
- @00003738: \$ 2 <= 00000000
- @00003748: \$ 3 <= ffffffff

```
@00003750: *00000000 <= 000000ff
```

- @00003754: \*00000000 <= 0000ffff
- @00003758: \$ 3 <= 00000000
- @0000375c: \$ 2 <= 00000000
- @00003760: \$ 3 <= 00010000
- @0000376c: \$ 3 <= 000000ff
- @00003770: \$ 3 <= 00000000
- @00003774: \$ 3 <= 00000001
- @0000377c: \$ 2 <= 00000000
- @00003780: \$ 3 <= 0000ffff
- @0000378c: \$ 3 <= 00050000
- @00003798: \$ 3 <= 00000000
- @000037a4: \$ 2 <= 00000000
- @000037a8: \$ 3 <= 00000000
- @000037ac: \$ 3 <= 0000ffff
- @000037c0: \$ 4 <= 00010006
- @000037c4: \$ 3 <= 00000040
- @000037c8: \$ 4 <= 00000001
- @000037cc: \*00000040 <= 00000040
- @000037e0: \*00000000 <= 00000000
- @000037e8: \$ 1 <= 00000001
- @000037ec: \$ 1 <= 00000001
- @000037f4: \$ 1 <= 000b0000
- @00003808: \$ 1 <= 16000000
- @00003814: \$ 4 <= 00070000
- @00003820: \$ 2 <= 000f0000
- @00003834: \$ 4 <= 000e0000
- @0000383c: \$ 3 <= 00000000
- @00003840: \$ 1 <= 00000000
- @00003848: \$ 3 <= 00000000
- @00003850: \$ 2 <= 00000000
- @0000385c: \$ 1 <= 00000000
- @00003864: \$ 1 <= 00080000
- @00003868: \$ 3 <= 00080000
- @0000386c: \$ 2 <= 00080000
- @00003880: \$ 4 <= 00000000
- @00003884: \$ 3 <= 00080007
- σουσουστ.
- @00003888: \$ 3 <= 00080007
- @0000388c: \$ 3 <= 20001c00
- $@00003890: $ 1 \le 08000700$
- @000038a0: \$ 2 <= 00080000
- @000038a8: \$ 3 <= 00060000
- @000038b4: \$ 4 <= 00000000
- @000038c0: \$ 1 <= 00000000

```
@000038c8: $ 2 <= 000a0000
```

- @000038d8: \$ 2 <= 00020000
- @000038e8: \$ 4 <= 00000000
- @000038ec: \$ 3 <= 00000000
- @000038f0: \$ 2 <= 00000001
- @000038f8: \$ 4 <= 00000001
- @000038fc: \$ 2 <= 00000001
- @00003900: \$ 1 <= 00000000
- @00003908: \$ 1 <= 00000001
- @00003910: \*00000000 <= 00000100
- @00003914: \$ 4 <= 000a0000
- @0000391c: \$ 3 <= 000d0000
- @00003924: \$ 4 <= 00020000
- $@00003938: $ 4 \le 00000000$
- @00003948: \$ 4 <= 00000000
- @0000394c: \*00000000 <= 00000000
- @00003950: \*00000000 <= 00000000
- $@00003954: $ 1 \le 00000000$
- @00003958: \$ 4 <= 00000000
- @00003960: \$ 1 <= 00000000
- @00003960: \$ 1 <= 00000000
- @00003964: \$ 3 <= 00000007
- @0000396c: \$ 2 <= 00000001
- @00003974: \$ 2 <= 00000000
- @0000397c: \$ 3 <= 00000001
- @00003980: \$ 2 <= 00000001
- @00003984: \$ 2 <= 00000000
- @00003988: \*00000000 <= 00000001
- @00003990: \$ 2 <= 00000000
- @00003990: \$ 2 <= 00000000
- @00003998: \$ 3 <= 00000002
- @0000399c: \$ 2 <= 00080000
- @000039a0: \$ 1 <= 00080000
- @000039b0: \$ 1 <= 00000000
- @000039b0: \$ 1 <= 00000000
- @000039b4: \$ 1 <= 00000001
- @000039c0: \$ 4 <= 00000000
- @000039c4: \$ 3 <= 00060000
- @000039cc: \$ 1 <= 00000000
- @000039d4: \*00000000 <= 00000000
- @000039d8: \$ 4 <= 00000001
- @000039e8: \$ 3 <= 00000001
- @000039ec: \$ 4 <= 00050000
- @000039fc: \$ 3 <= 00000000

- @00003a04: \*00000000 <= 00000000
- @00003a0c: \$ 4 <= 00000000
- @00003a10: \$ 1 <= 00000000
- @00003a18: \$ 4 <= 0000000e
- @00003a34: \$ 2 <= 00000001
- @00003a3c: \*00000000 <= 00000100
- @00003a50: \$ 2 <= 00000001
- @00003a64: \$ 4 <= 00000000
- @00003a70: \$ 3 <= 000f0000
- @00003a78: \*00000000 <= 000f0000
- @00003a7c: \$ 4 <= 0000000c
- @00003a84: \$ 3 <= 000c0000
- @00003a88: \$ 2 <= 00060000
- @00003a8c: \*0000000c <= 0000000c
- @00003a94: \$ 4 <= 000c0000
- @00003aa4: \$ 4 <= 000f0000
- @00003aa8: \$ 1 <= 000b0000
- @00003aac: \$ 1 <= 00090000
- @00003ab0: \$ 1 <= 000d0000
- @00003ab4: \$ 2 <= 00060000
- @00003ab8: \$ 1 <= 00090000
- @00003abc: \$ 3 <= 00000000
- @00003ac4: \$ 3 <= 00000001
- @00003ad8: \$ 3 <= 00000000
- @00003ae0: \$ 4 <= 00060000
- $\varphi$   $\varphi$   $\varphi$   $\varphi$   $\varphi$
- @00003ae8: \$ 2 <= 00000000
- @00003af4: \$ 4 <= 00000003
- @00003af8: \*00000000 <= 000f0003
- @00003b04: \$ 3 <= 00000006
- @00003b10: \$ 3 <= 00000000
- @00003b14: \*00000000 <= 00000000
- @00003b18: \$ 2 <= 00000024
- @00003b1c: \$ 3 <= 00000000
- @00003b20: \*00000000 <= 00000000
- @00003b28: \*00000000 <= 00000000
- @00003b44: \$ 1 <= 0000000b
- @00003b48: \$ 1 <= 00010000
- @00003b54: \$ 4 <= 00010000
- @00003b74: \*00000000 <= 00000000
- @00003b78: \$ 4 <= 0000000d
- @00003b7c: \$ 2 <= 00000005
- @00003b84: \$ 3 <= 00000000
- @00003b90: \$ 4 <= 00000000
- @00003b90: \$ 4 <= 00000000

- @00003b98: \$ 1 <= 00000000
- @00003b9c: \$ 2 <= 00000000
- @00003ba0: \$ 4 <= 00000000
- @00003ba4: \*00000000 <= 00000000
- @00003ba8: \$ 2 <= 00000000
- @00003bac: \$ 3 <= 00000000
- @00003bb0: \$ 2 <= 00000000
- @00003bb4: \$ 2 <= 00000000
- @00003bb8: \$ 3 <= 00000008
- @00003bbc: \*00000008 <= 00000000
- @00003bc0: \$ 4 <= 0000000d
- @00003bc4: \*0000000c <= 0000080c
- @00003bcc: \$ 1 <= 00000001
- @00003bd4: \$ 3 <= 00000001
- @00003be0: \$ 1 <= 00000000
- @00003be4: \$ 1 <= 00000000
- @00003be8: \*00000000 <= 00000000
- @00003bec: \$ 2 <= 00000001
- @00003bf4: \*00000000 <= 00000100
- @00003c08: \$ 3 <= 00000001
- @00003c10: \$ 2 <= 00000001
- @00003c14: \$ 4 <= 00090000
- @00003c24: \$ 4 <= 00000001
- @00003c28: \$ 2 <= 00070000
- @00003c2c: \$ 2 <= 00000000
- @00003c40: \$ 1 <= 00000000
- @00003c48: \$ 1 <= 00000000
- @00003c50: \*00000000 <= 00000100
- @00003c54: \*00000000 <= 00000000
- @00003c5c: \$ 4 <= 000b0000
- @00003c60: \$ 4 <= 000b000a
- @00003c78: \$ 1 <= 000b0010
- @00003c84: \$ 4 <= 00002c00
- @00003c88: \$ 2 <= 00580000
- @00003c98: \$ 4 <= 58000000
- @00003cac: \$ 4 <= 00070000
- @00003cb0: \$ 4 <= 00000000
- @00003cb4: \$ 1 <= 00000001
- @00003cbc: \$ 1 <= 00000000
- @00003cc0: \$ 4 <= 00030000
- @00003cd0: \$ 3 <= 00060000
- @00003cd0: \$ 3 <= 00060000
- @00003ce4: \$ 3 <= 000e0000
- @00003cf4: \$ 4 <= 00060000

```
@00003d00: $ 2 <= 000000c0
```

- @00003d10: \$ 2 <= 00060000
- @00003d18: \$ 2 <= 00001800
- @00003d1c: \$ 3 <= ffffe7ff
- @00003d20: \$ 2 <= ffffe807
- @00003d24: \*00000000 <= ffffe7ff
- @00003d28: \$ 2 <= fe807000
- @00003d2c: \$ 3 <= 00080000
- @00003d40: \$ 3 <= 00060000
- @00003d44: \$ 1 <= 00000000
- @00003d60: \$ 3 <= 000a0000
- @00003d64: \$ 2 <= 00030000
- @00003d68: \$ 3 <= 00090000
- @00003d70: \$ 1 <= 00090001
- @00003d74: \$ 1 <= 00024000
- @00003d80: \$ 2 <= 00040000
- @00003d84: \$ 1 <= 00009000
- @00003d88: \$ 1 <= 00060000
- @00003d90: \$ 4 <= 00000001
- @00003d90: \$ 4 <= 00000001
- @00003d94: \$ 1 <= 00000000
- @00003d9c: \$ 1 <= 00000000
- @00003da0: \$ 1 <= 00000000
- @00003da8: \$ 4 <= ffffffff
- @00003dac: \*00000000 <= 00000000
- @00003db0: \*00000000 <= 000000ff
- @00003db8: \$ 4 <= 000d0000
- @00003dc0: \$ 3 <= 00000000
- @00003dc4: \$ 1 <= 00000000
- @00003dc8: \*00000000 <= 00000000
- @00003dcc: \$ 4 <= 000000a9
- @00003dd4: \$ 4 <= 000000b8
- @00003dd8: \$ 4 <= 00000000
- @00003de0: \$ 4 <= 00000000
- @00003de0: \$ 4 <= 00000000
- @00003de4: \$ 1 <= 000000a9
- @00003de8: \*00000000 <= 00000000
- @00003df4: \$ 3 <= 00000000
- @00003dfc: \$ 1 <= 00000000
- @00003e04: \$ 2 <= 0000000e
- @00003e10: \$ 2 <= 00050000
- @00003e1c: \$ 1 <= 00000000
- @00003e24: \$ 2 <= 00000000
- @00003e2c: \*00000000 <= 00000000

- @00003e30: \$ 3 <= 00000000
- @00003e34: \*00000000 <= 00000000
- @00003e38: \$ 1 <= 00000000
- @00003e3c: \*00000000 <= 00000000
- @00003e40: \*00000000 <= 00000000
- @00003e44: \$ 2 <= 00000000
- @00003e50: \$ 3 <= 00000000
- @00003e50: \$ 3 <= 00000000
- @00003e54: \*00000000 <= 00000000
- @00003e58: \$ 2 <= 00000000
- @00003e64: \$ 1 <= 00000000
- @00003e70: \$ 1 <= 00000000
- @00003e7c: \$ 4 <= 0000000d
- @00003e88: \$ 1 <= 00080000
- @00003e8c: \*0000000c <= 00000d0c
- @00003ea0: \$ 3 <= 00000000
- @00003eb0: \*00000000 <= 00000000
- @00003ec0: \$ 3 <= 00080000
- @00003ec8: \$ 1 <= 00040000
- @00003ee4: \$ 2 <= 00000000
- @00003ee8: \$ 4 <= 00000000
- @00003ef0: \$ 4 <= 00000000
- @00003ef4: \$ 4 <= 00080000
- @00003f00: \$ 1 <= 00010000
- @00003f08: \$ 3 <= 00000001
- @00003f0c: \$ 1 <= fff7ffff
- @00003f20: \$ 2 <= 00000000
- @00003f28: \$ 3 <= 00080000
- @00003f2c: \$ 2 <= 000d0000
- @00003f30: \$ 4 <= 00000000
- @00003f38: \$ 1 <= 00060000
- -----
- @00003f48: \$ 4 <= 00000000
- @00003f4c: \$ 2 <= 00000000
- @00003f58: \$ 1 <= 00000000
- @00003f60: \$ 2 <= 00000000
- @00003f64: \$ 4 <= 00000006
- @00003f68: \$ 4 <= 00000000
- @00003f6c: \$ 1 <= 00040000
- @00003f70: \$ 1 <= 00050000
- @00003f7c: \$ 3 <= 00000000
- @00003f84: \$ 1 <= 00000001
- @00003f90: \$ 1 <= 0000000f
- @00003fa0: \$ 4 <= 0000001e
- @00003fa0: \$ 4 <= 0000001e

```
@00003fa8: $ 3 <= 00000000
```

- @00003fb0: \$ 1 <= 00000000
- @00003fb4: \$ 4 <= 00000000
- @00003fb8: \$ 1 <= 00000000
- @00003fbc: \$ 4 <= 00000000
- @00003fc0: \$ 1 <= 000001c2
- @00003fc4: \$ 2 <= 00020000
- @00003fd4: \$ 2 <= 00020000
- @00003fd8:  $$4 \le fffe0000$
- @00003fdc: \$ 4 <= 00000000
- @00003fe0: \*00000000 <= 00000000
- @00003fe4: \$ 1 <= 000001c2
- @00003fe8: \*00000000 <= 00000000
- @00003ff4: \$ 2 <= 000001c8
- @00003ffc: \$ 1 <= 00090000
- @00004008: \*00000000 <= 00000000
- @00004014: \$ 2 <= 00000390
- @00004018: \$ 2 <= 00000001
- $@0000401c: $ 3 \le 00000000$
- @00004020: \$ 1 <= ffffffff
- @00004024: \$ 4 <= 00000000
- @0000402c: \*00000000 <= ffffffff
- @00004030: \*00000000 <= ffffff00
- @00004034: \*00000000 <= 00000000
- @00004038: \*00000000 <= 00000000
- @0000403c: \$ 4 <= 00000000
- @00004044: \$ 3 <= 00000000
- @00004048: \$ 1 <= 00000009
- @0000404c: \$ 3 <= 00000000
- @00004050: \$ 3 <= 00000000
- @00004054: \$ 3 <= 00000000
- @0000405c: \$ 4 <= 00080000
- @00004078: \$ 3 <= 00080000
- @00004084: \$ 3 <= 00080000
- @00004094: \$ 4 <= 00000000
- @000040a0: \$ 1 <= 00000000
- @000040a8: \$ 1 <= 00000001
- @000040ac: \$ 2 <= 00000000
- @000040b8: \$ 3 <= 00000000
- @000040c4: \$ 3 <= 00000000
- @000040d0: \$ 1 <= 00000000
- @000040d4: \$ 2 <= 00000000
- @000040d8: \$ 2 <= 00070000
- @000040e4: \$ 3 <= 00090000

```
@000040f0: $ 1 <= 00000000
```

### @0000411c: \$ 2 <= 0000000f

### @00004190: \$ 2 <= 000a0000

# @000041c4: \*00000000 <= 00000000

- @000041cc: \$ 4 <= 00040000
- @000041d0: \$ 1 <= 00090000
- @000041e0: \$ 2 <= 00000000
- @000041f0: \$ 2 <= 00000020
- @000041f4: \$ 2 <= 00000000
- @000041f8: \$ 1 <= 00000000
- @000041fc: \$ 1 <= 00040000
- @00004200: \$ 3 <= 00000000
- @00004214: \$ 3 <= 00000001
- @0000421c: \$ 2 <= 00000000
- @00004220: \$ 4 <= 00000000
- @00004228: \$ 2 <= 00000000
- @00004230: \$ 3 <= 00000000
- @00004234: \$ 4 <= 00000000

```
@00004244: $ 3 <= 000a0000
```

- @00004248: \$ 1 <= 00000000
- @00004258: \$ 1 <= 00000000
- @00004260: \$ 4 <= 00000000
- @00004264: \$ 4 <= 00000000
- @00004270: \$ 2 <= 00000000
- @00004278: \*00000000 <= 00000000
- @00004280: \$ 3 <= 00000000
- @00004280: \$ 3 <= 00000000
- @00004284: \*00000000 <= 00000000
- @00004288: \$ 2 <= 00000000
- @00004290: \$ 2 <= 0000000e
- @00004298: \$ 2 <= fffffff1
- @000042a0: \*00000000 <= fffffff1
- @000042a4: \*00000000 <= fffffff1
- @000042ac: \$ 1 <= 00060000
- @000042b0: \$ 4 <= 00000000
- @000042b8: \$ 4 <= 00000000
- @000042bc: \$ 2 <= fffffff1
- @000042c0: \$ 4 <= fffffff9
- @000042c4: \$ 2 <= 0000fff1
- @000042c8: \$ 1 <= 00000001 @000042cc: \$ 2 <= 00000000
- @000042d4: \$ 2 <= 00000000
- $@000042dc: $ 1 \le fffffff1$
- $@000042e0: $ 4 \le 00050000$
- @000042e8: \$ 1 <= 00020000
- @000042f0: \$ 2 <= 00000000
- @000042f4: \$ 4 <= 00020000
- @000042fc:  $$1 \le 20000000$
- @00004300: \$ 3 <= 0000000a
- @00004314: \$ 4 <= 00000000
- @00004318: \$ 2 <= 00090000
- @00004328: \$ 1 <= 0000000a
- @00004330: \$ 2 <= 00000000
- @00004334: \*00000000 <= ffffff0a
- @0000433c: \*00000000 <= 00000000
- @00004340: \$ 4 <= 00000000
- @00004344: \$ 2 <= 00000000
- @00004348: \$ 2 <= 00000000
- @0000434c: \*00000000 <= 00000000
- @00004350: \$ 3 <= ffffffff
- @0000435c: \$ 4 <= 000f0000
- @0000436c: \$ 1 <= 00000000

```
@00004370: $ 4 <= 00000006
```

- @00004374: \$ 1 <= 00000000
- @0000437c: \$ 3 <= 00000000
- @00004388: \$ 1 <= 00080000
- @0000438c: \$ 2 <= 00040000
- @00004390: \$ 2 <= 00000000
- @00004394: \$ 3 <= 00000000
- @0000439c: \*00000000 <= 00000000
- @000043a0: \$ 4 <= 00070000
- @000043a4: \$ 1 <= 00000000
- @000043ac: \$ 3 <= 00000000
- @000043b0: \*00000000 <= 00000000
- @000043b4: \*00000000 <= 00000000
- @000043b8: \$ 4 <= 00000000
- @000043bc: \$ 2 <= 00000008
- @000043c4: \*00000008 <= 00000008
- @000043c8: \$ 1 <= 00000008
- @000043cc: \$ 3 <= 00000013
- @000043d8: \*00000010 <= 13000004
- @000043e0: \$ 2 <= 000c0000
- @000043e4: \$ 2 <= 000c0013
- @000043fc: \$ 3 <= 00000000
- @00004400: \$ 1 <= 00000000
- @00004408: \$ 2 <= 00000000
- @0000440c: \$ 3 <= 000a0000
- @00004414: \$ 3 <= fff5ffff
- @00004428: \$ 2 <= 00000000
- @00004430: \$ 1 <= 00000000
- @00004440: \$ 1 <= 00000000
- @00004444: \$ 3 <= 00000000
- @0000444c: \$ 1 <= 00000001
- @00004450: \$ 2 <= 00080000
- @00004454: \$ 3 <= 00000000
- @00004458: \$ 3 <= 00070000
- .
- @00004460: \$ 1 <= 00040000
- @00004464: \$ 2 <= 00070000
- @00004470: \$ 3 <= 00070008
- @00004478: \$ 4 <= 00070003
- @00004480: \$ 1 <= 00000000
- @00004484: \$ 3 <= 00000000
- @00004488: \$ 4 <= 00080000
- @0000448c: \$ 1 <= 00000000
- @0000449c: \*00000000 <= 00000000
- @000044a0: \$ 3 <= 00020000

```
@000044a4: $ 1 <= 00000000
```

- @000044a8: \$ 4 <= 00000000
- @000044ac: \$ 2 <= 00000000
- @000044b0: \$ 3 <= 00000000
- @000044b4: \$ 2 <= 000c0000
- @000044b8: \$ 3 <= 000c0004
- @000044bc: \$ 3 <= 000c0000
- @000044cc: \$ 2 <= 00000000
- @000044d4: \$ 2 <= 00000000
- @000044e0: \$ 2 <= 00000000
- @000044e4: \$ 3 <= 00000001
- @000044e8: \$ 2 <= 000e0000
- @000044ec: \$ 1 <= 00000000
- @000044f0: \$ 2 <= 00000000
- @000044f8: \*00000000 <= 00000000
- @000044fc: \$ 3 <= 00000000
- @00004500: \$ 3 <= 0000000b
- @00004508: \$ 1 <= 000d0000
- @00004518: \$ 1 <= 00000000
- @00004528: \$ 3 <= 00000001
- @0000452c: \$ 2 <= 00000001
- @00004530: \$ 1 <= 00000000
- @00004534: \$ 1 <= 000d0000
- @00004538: \$ 2 <= 000d0000
- @0000454c: \$ 4 <= 000d0000
- @00004554: \$ 1 <= 00090000 @00004564: \$ 3 <= 000b0000
- @0000456c: \$ 3 <= 00090000
- @00004594: \$ 4 <= 0009000e
- @000045b0: \$ 4 <= 001a0000
- @000045c0: \$ 1 <= 001a0004
- @000045c0: \$ 1 <= 001a0004
- @000045cc: \$ 2 <= 001a0004
- @000045e0: \$ 3 <= 00000000
- @000045e8: \$ 4 <= 00000000
- @000045f0: \$ 3 <= 00000000
- @000045f4: \$ 4 <= 00020000
- @000045fc: \$ 4 <= 00000000
- @00004604: \$ 1 <= 00000000
- @00004620: \$ 1 <= 00000000
- @00004624: \*00000000 <= 00000000
- @00004628: \$ 3 <= 00000001
- @00004630: \$ 4 <= 00000000
- @00004634: \$ 4 <= 00000000

```
@0000463c: *00000000 <= 00000100
```

```
@00004640: $ 1 <= 00090000
```

@00004720: 
$$$4 \le 00001800$$

@0000475c: 
$$$3 \le 00000000$$

### @0000476c: \*00000000 <= 00000000

### @00004770: \$ 1 <= 0000000a

#### @00004784: \*00000000 <= 00000000

## @00004788: \$ 3 <= 00000000

$$@00004790: $ 1 \le 00070000$$

```
@000047b0: $ 3 <= 00000000
```

- @000047b4: \$ 1 <= 00000000
- @000047bc: \$ 1 <= 00000000
- @000047c0: \$ 2 <= 00000000
- @000047c4: \$ 2 <= 00000000
- @000047c8: \$ 1 <= 00000000
- @000047d0: \*00000000 <= 00000000
- @000047d4: \$ 3 <= 00000000
- @000047dc: \$ 3 <= 00000000
- @000047e0: \*00000000 <= 00000000
- @000047e8: \$ 3 <= 00000000
- @000047ec: \$ 2 <= 00000000
- @000047f0: \*00000000 <= 00000000
- @000047f4: \*00000000 <= 00000000
- @000047f8: \*00000000 <= 00000000
- @00004800: \*00000000 <= 00000000
- @00004804: \*00000000 <= 00000000
- @00004808: \$ 1 <= 00000000
- @0000480c: \$ 1 <= 00000000
- @00004810: \$ 2 <= 00000000
- @00004818: \$ 1 <= 000b0000
- @0000481c: \$ 3 <= 00060000 @00004824: \$ 4 <= 000c0000
- @0000482c: \$ 2 <= 000b0000
- @00004830: \$ 4 <= 00000000
- @00004838: \$ 2 <= 00000000
- @00004840: \$ 1 <= 00000000
- @00004844: \$ 2 <= 00000000
- @00004850: \$ 3 <= 00000001
- @00004850: \$ 3 <= 00000001
- @00004858: \$ 3 <= 00000000
- @00004860: \$ 4 <= 00000001
- @00004864: \$ 4 <= 00000000
- @0000486c: \$ 2 <= 00000000
- @00004874: \$ 2 <= 00000005
- @00004878: \$ 1 <= 00000005
- @00004888: \$ 1 <= 00070000
- @00004890: \$ 3 <= 00000000
- @00004894: \$ 4 <= 00070000
- @000048a4: \$ 2 <= 00000000
- @000048a8: \$ 1 <= 000f0000
- @000048b4: \$ 3 <= 00000000
- @000048c8: \$ 2 <= 00000000
- @000048d0: \$ 4 <= 000d0000

```
@000048d0: $ 4 <= 000d0000
```

- @000048d4: \$ 4 <= 00000000
- @000048d8: \$ 3 <= 00000000
- @000048dc: \$ 3 <= 00000000
- @000048e0: \$ 2 <= 00000000
- @000048e4: \$ 4 <= 00000000
- @000048ec:  $$ 3 \le 00070000$
- @000048fc: \$ 2 <= 0007000e
- @00004900: \$ 2 <= 000a0000
- @0000490c: \$ 4 <= 00090000
- @00004914: \$ 2 <= 000f0000
- @00004918: \$ 3 <= 000c0000
- @0000491c: \$ 4 <= 00090000
- @00004924: \$ 2 <= 00090003
- @00004930: \$ 2 <= 00000000
- @00004934: \$ 3 <= 00000000
- @00004938: \$ 1 <= 00000002
- @0000493c: \$ 1 <= 00000000
- @00004950: \$ 1 <= 00000000
- @00004958: \$ 2 <= 00000000
- @00004960: \$ 3 <= 00000000
- @00004964: \*00000000 <= 00000000
- @00004968: \$ 1 <= 00000000
- @0000496c: \$ 1 <= 00060000
- @00004974: \$ 2 <= 00000000
- @00004978: \$ 1 <= 00000000
- @00004988: \$ 4 <= 00030000
- @0000498c: \$ 3 <= 00000000
- @00004990: \*00000000 <= 00000000
- @00004994: \$ 4 <= 00000000
- @00004998: \$ 2 <= 00000000
- @0000499c: \$ 1 <= 00000000
- @000049a4: \*00000000 <= 00000000
- @000049b0: \$ 4 <= 000a0000
- @000049b8: \$ 2 <= 00000000
- @000049bc: \$ 3 <= 0000000f
- @000049c0: \*0000000c <= 0f000d0c
- @000049c4: \$ 2 <= 00000000
- @000049c8: \$ 3 <= 00000000
- @000049cc: \*00000000 <= 00000000
- @000049d0: \$ 4 <= 0000000c
- @000049d8: \$ 1 <= 000d0000
- @000049f0: \$ 4 <= 00000000
- @000049f4: \$ 3 <= 00000000

- @000049f8: \$ 4 <= 00000000
- @000049fc: \$ 3 <= 00000000
- @00004a00: \$ 3 <= 00000000
- @00004a04: \$ 4 <= 00020000
- @00004a0c: \$ 4 <= fffe0000
- @00004a14: \$ 4 <= fffff800
- @00004a18: \*00000000 <= 00000000
- @00004a1c: \$ 3 <= 00030000
- @00004a24: \$ 2 <= 00020000
- @00004a28: \*00000000 <= 0000f800
- @00004a38: \$ 2 <= 00000000
- @00004a44: \$ 1 <= 00000000
- @00004a4c: \$ 2 <= 00000000
- @00004a50: \$ 2 <= 000e0000
- @00004a54: \$ 3 <= fffc0004
- $@00004a5c: $ 2 \le 0011fffc$
- @00004a64: \$ 4 <= 00000000
- @00004a68: \*00000000 <= 0000f8fc
- @00004a70: \$ 3 <= 00000007
- @00004a78: \*00000004 <= 0700000b
- @00004a84: \$ 2 <= 00000007
- @00004a88: \$ 1 <= 00000007
- @00004a8c: \$ 4 <= 00000007
- @00004a90: \$ 2 <= 000e0000
- @00004a94: \$ 3 <= 00000007
- @00004a9c: \$ 3 <= 00010000
- @00004ab0: \$ 2 <= 00000001
- @00004ab8: \$ 4 <= 00000000
- @00004abc: \$ 3 <= 000a0000
- @00004ac4: \$ 2 <= 00000000
- @00004ac8: \$ 2 <= 00000000
- @00004acc: \$ 1 <= 00000001
- @00004ad4: \$ 4 <= 000c0000
- θυσου+αυ+. ψ + <− σσσσσσσσ
- @00004ae4: \$ 3 <= 000c0000
- @00004af4: \$ 1 <= 000a0000
- @00004b00: \$ 1 <= 00000001
- @00004b04: \$ 1 <= 000d0000
- @00004b0c: \$ 2 <= 00000007
- @00004b10: \$ 2 <= 00000007
- @00004b14: \$ 3 <= 00000001
- @00004b18: \$ 3 <= 00000007
- @00004b24: \$ 4 <= 00000007
- @00004b2c: \$ 1 <= 00000000
- @00004b30: \$ 1 <= ffffffc

```
@00004b34: $ 2 <= 0000f8fc
```

- @00004b3c: \$ 4 <= 00030000
- @00004b40: \$ 3 <= 00030000
- @00004b4c: \$ 3 <= 00006000
- @00004b54: \$ 1 <= fffffffc
- @00004b64: \$ 2 <= fffffffc
- @00004b68: \$ 1 <= 00000002
- @00004b6c: \$ 3 <= fffffffc
- @00004b74: \$ 3 <= fffffffc
- @00004b78: \$ 1 <= 00000003
- @00004b7c: \*00000000 <= fffffffc
- @00004b80: \$ 1 <= 00000012
- @00004b90: \$ 3 <= 00000000
- @00004b90: \$ 3 <= 00000000
- @00004b94: \$ 2 <= 000000fc
- @00004b9c: \*00000000 <= ffffff00
- @00004ba0: \*00000000 <= fffffffc
- @00004ba4: \$ 1 <= 00060000
- @00004ba8: \$ 4 <= 00000000
- @00004bb0: \$ 3 <= 00000000
- @00004bbc: \$ 1 <= ffffffc
- @00004bc4: \$ 3 <= 000f0000
- @00004bc8: \$ 3 <= 00010000
- @00004bcc: \$ 2 <= 00080000
- @00004bd4: \$ 1 <= 00000000
- @00004bd8: \$ 1 <= 000a0000
- @00004bec: \$ 3 <= 00000064
- @00004bf0: \$ 1 <= 00070000
- @00004bf8: \$ 3 <= 0007000b
- @00004bfc: \$ 3 <= 0001c002
- @00004c00: \$ 3 <= 00000000
- @00004c04: \$ 2 <= ffffffc
- @00004C04. φ 2 \- IIIIIIIC
- @00004c08: \$ 3 <= 000000fc
- $@00004c0c: $ 1 \le ffffffc$
- @00004c24: \*00000000 <= fffffffc
- @00004c2c: \*00000000 <= fffffffc
- @00004c30: \$ 4 <= 00070000
- @00004c34: \$ 1 <= fffffffc
- @00004c38: \$ 3 <= 00000001
- @00004c48: \$ 2 <= 00000001
- @00004c4c: \$ 3 <= 00080000
- @00004c54: \$ 1 <= 00000000
- @00004c58: \$ 1 <= 00000001
- @00004c60: \$ 3 <= 000d0000

```
@00004c60: $ 3 <= 000d0000
```

- @00004c64: \$ 2 <= 0000d000
- @00004c7c: \$ 4 <= 03400000
- @00004c94: \$ 4 <= 000d0000
- @00004c98: \$ 2 <= 00050000
- @00004c9c: \$ 1 <= 000a0000
- @00004ca8:  $$1 \le 00080000$
- @00004cb8: \$ 1 <= fff7ffff
- @00004cbc: \$ 2 <= 00000000
- @00004cc4: \$ 2 <= 00000000
- @00004cc8: \$ 4 <= 000000fc
- @00004cd4: \*00000000 <= ffff00fc
- @00004cd8: \$ 3 <= 00000fc0
- @00004cdc: \$ 4 <= 00000001
- @00004ce0: \$ 1 <= 000e0000
- @00004ce4: \$ 2 <= 00080000
- @00004cf0: \$ 2 <= 00000000
- @00004cf4: \*00000000 <= ffff0000
- @00004cfc:  $$4 \le 00070000$
- @00004d18: \$ 4 <= 00000000
- @00004d1c: \$ 3 <= 000a0000
- @00004d3c: \$ 4 <= 00000001
- @00004d40: \$ 1 <= 00000000
- @00004d48: \$ 2 <= 00090000
- @00004d4c: \$ 3 <= 00060000
- @00004d54: \$ 3 <= 00060000
- @00004d5c: \$ 1 <= fff9ffff
- @00004d70: \$ 3 <= 00000000
- @00004d74: \$ 2 <= 00000000
- @00004d7c: \*00000000 <= ffff0000
- @00004d80: \$ 4 <= 00000000
- @00004d88: \$ 2 <= 00000000
- @00004d8c: \$ 4 <= 00000000
- @00004d90: \$ 1 <= 00030000
- @00004db0: \$ 1 <= 00000000
- @00004dc0: \$ 1 <= ffffffff
- @00004dc4: \$ 2 <= 000d0000
- @00004dcc: \$ 3 <= 000d0000
- @00004dd8: \$ 2 <= 000d0007
- @00004de4: \$ 3 <= 00000000
- @00004dec: \$ 1 <= 000d0000
- @00004df0: \$ 4 <= 00070000
- @00004df4: \$ 1 <= 00000000
- @00004e00: \$ 1 <= 00000000

- @00004e00: \$ 1 <= 00000000
- @00004e04: \*00000000 <= 00000000
- @00004e08: \$ 1 <= 000f0000
- @00004e14: \$ 1 <= 00000000
- @00004e18: \$ 3 <= 000d0000
- @00004e20: \$ 3 <= 00000000
- @00004e20:  $$ 3 \le 00000000$
- @00004e2c: \$ 1 <= 00000003
- @00004e34: \$ 2 <= 00000003
- @00004e40: \$ 2 <= 00000003
- @00004e44: \$ 4 <= 00000000
- @00004e48: \*00000000 <= 00000003
- @00004e54: \$ 1 <= 00000000
- @00004e5c:  $$4 \le 00000000$
- @00004e60: \$ 4 <= 00000000
- @00004e6c: \$ 4 <= 00000003
- @00004e70: \$ 3 <= 00060000
- @00004e78: \$ 3 <= 00000000
- @00004e7c: \$ 1 <= 00000003
- @00004e80: \$ 3 <= 00000000
- @00004e88: \$ 2 <= 00000001
- @00004e8c: \$ 3 <= 00000003
- @00004e9c: \$ 2 <= 00030000
- @00004ea8: \$ 4 <= 00030000
- @00004eb0: \$ 2 <= 00000003
- @00004ebc: \$ 4 <= 00000000
- @00004ec4: \$ 3 <= 00000000
- @00004ec8: \*00000000 <= 00000000
- @00004ed0: \$ 1 <= 00000000
- @00004ed0: \$ 1 <= 00000000
- @00004ed8: \$ 2 <= 00050000
- @00004ee0: \$ 1 <= 00090000
- @00004ee0: \$ 1 <= 00090000
- @00004ee4: \$ 2 <= 00000000
- @00004ee8: \$ 2 <= 00000000
- @00004eec: \$ 2 <= 00000000
- @00004ef0: \$ 1 <= 00020000
- @00004f08: \$ 2 <= 00000000
- $@00004f0c: $ 1 \le 00000000$
- @00004f10: \$ 4 <= 00000000
- @00004f14: \$ 2 <= 00020000
- @00004f28: \$ 3 <= 00000000
- @00004f2c: \$ 1 <= 00000000 @00004f30: \$ 4 <= 00000000

```
@00004f44: $ 4 <= 00000000
```

- @00004f54: \$ 4 <= 00070000
- @00004f64: \$ 1 <= 00000000
- @00004f78: \$ 3 <= 00000000
- @00004f8c: \$ 4 <= 00010000
- @00004f94: \$ 3 <= 00070000
- @00004f98: \$ 1 <= 00080000
- @00004f9c: \$ 3 <= 00000000
- @00004fa4: \$ 2 <= 000f0000
- @00004fb0: \$ 1 <= 00000000
- @00004fb4: \$ 1 <= 00000000
- @00004fbc: \*00000000 <= 00000000
- @00004fc0: \$ 2 <= 00000000
- @00004fc8: \$ 1 <= 000f0000
- @00004fd0: \$ 3 <= 00000000
- @00004fd8: \$ 1 <= 000e0000
- @00004fe8: \$ 2 <= 000000e0
- @00004fec: \$ 3 <= 000000c4
- @00004ff4: \$ 2 <= 00010000
- @00005008: \$ 2 <= 00020000
- @0000500c: \$ 3 <= 00010000
- @00005014: \$ 3 <= 000b0000
- @00005024: \$ 1 <= 00010000
- \_\_\_\_\_
- @00005040: \$ 4 <= 00020000
- @00005044:  $$2 \le 00000001$
- @0000504c:  $$1 \le 00010000$
- @00005054: \$ 1 <= 00010000
- @0000505c: \$ 3 <= 00040000
- @00005060: \$ 1 <= 00040000
- @00005064: \$ 1 <= 00000001
- @00005074: \$ 4 <= 00000000
- $@00005078: $ 2 \le 00000000$
- $@00005080: $ 3 \le 00000000$
- @00005088: \$ 4 <= 00060000
- @00005094: \$ 2 <= 00000000
- @00005098: \$ 3 <= 00000000
- @000050a0: \$ 4 <= 00000000
- @000050a4: \$ 4 <= 00000000
- @000050ac: \$ 1 <= 00000000
- @000050b8: \*00000000 <= 00000000
- @000050bc: \$ 1 <= 00000000
- @000050c4: \$ 1 <= 00000001
- @000050c8: \$ 4 <= 00000000
- @000050cc: \*00000000 <= 00000100

```
@000050d4: *00000000 <= 00000000
```

- @000050e4: \$ 4 <= 00000001
- @00005104: \$ 2 <= 00000000
- @0000510c: \$ 3 <= 00000000
- @00005114: \$ 2 <= 00010000
- @00005118: \$ 1 <= 00000000
- @00005120: \$ 1 <= 000b0000
- @00005120: \$ 1 <= 000b0000
- @00005124: \$ 3 <= 00060000
- @00005128: \$ 2 <= 00000000
- @0000512c: \$ 2 <= 00000000
- @00005130: \$ 4 <= ffffffff
- @00005140: \$ 3 <= fffffffe
- @00005144: \$ 3 <= 001fffff
- @00005148: \$ 2 <= 00000000
- @0000514c: \$ 2 <= 0000ffff
- @00005154: \$ 1 <= 00040000
- @0000515c: \$ 4 <= 00040000
- @00005164: \$ 1 <= 00000001
- @0000516c: \$ 1 <= 00000000
- @00005170: \$ 3 <= 00000000
- @00005174: \$ 1 <= 00000000
- @00005180: \*00000000 <= 00000000
- @00005190: \$ 3 <= 00000000
- @00005198: \$ 2 <= 00000000
- @0000519c: \*00000000 <= 00000000
- @000051a0: \$ 2 <= 00000000
- @000051ac: \*00000000 <= 00000000
- @000051b0: \$ 1 <= 00000000
- @000051b4: \$ 2 <= 00000000
- @000051b8: \$ 3 <= 00000001
- @000051c0: \$ 1 <= 00000000
- @000051c8: \$ 4 <= 000b0000
- @000051e0: \$ 1 <= 00080000
- @000051e0: \$ 1 <= 00080000
- @000051e4: \$ 2 <= 00000001
- $@000051ec: $ 3 \le 00000000$
- @000051f0: \*00000000 <= 00000000
- @000051f4: \$ 2 <= 00000009
- @0000520c: \$ 3 <= 00000000
- @00005220: \$ 3 <= 00000000
- @00005224: \$ 1 <= 00000000
- @0000522c: \$ 3 <= 00000000
- @00005230: \$ 4 <= 00000000

```
@00005234: $ 1 <= 00000000
```

- @00005248: \*00000000 <= 00000000
- @0000524c: \$ 1 <= 00000000
- @00005250: \$ 3 <= 00000000
- @00005254: \*00000000 <= 00000000
- @00005258: \$ 2 <= 00000000
- @0000525c: \$ 4 <= 000a0000
- @00005260: \$ 2 <= 000a0000
- @00005268: \$ 2 <= 000a0000
- @00005270: \$ 2 <= 00005000
- @00005274: \$ 1 <= 00000000
- @00005288: \$ 2 <= 00000000
- @00005290: \$ 4 <= 00040000
- @00005298: \$ 3 <= 000f0000
- @000052a0: \$ 4 <= 00000000
- @000052a4: \*00000000 <= 00000000
- @000052a8: \$ 2 <= 00000000
- @000052ac: \$ 1 <= 00000000
- @000052b0: \$ 3 <= 00000000
- @000052b8: \$ 3 <= 00000000
- @000052c0: \$ 3 <= fffffff
- @000052c4: \$ 1 <= 00000006
- @000052cc: \*00000004 <= ffff000b
- @000052d0: \$ 2 <= 000d0000
- @000052d8: \$ 1 <= 00000000
- @000052e0: \$ 1 <= 000e0000
- @000052ec: \*00000000 <= 000e0000
- @000052f0: \$ 3 <= 00080000
- @000052f8: \$ 2 <= 00080009
- @00005300: \$ 4 <= 00000400
- @00005304: \$ 2 <= 00080009
- @00005314: \$ 4 <= 00000040
- @00005320: \$ 2 <= 00002000
- @00005324: \*00000040 <= 00002000
- @00005328: \$ 3 <= 00040000
- @00005334: \$ 4 <= 00000200
- @0000533c: \$ 3 <= 00030000
- @00005350: \$ 2 <= 00000000
- @00005354: \$ 2 <= 00000000
- @00005364: \$ 1 <= 00000000
- @00005368: \$ 1 <= 00000000
- @0000536c: \$ 2 <= 00070000
- @00005370: \$ 1 <= 38000000

```
@00005374: $ 3 <= 00030000
```

- @00005378: \$ 4 <= 00070000
- @00005380: \$ 4 <= 00080000
- @0000538c: \$ 4 <= 0008000c
- @00005394: \$ 3 <= 0008000c
- @0000539c: \$ 1 <= 8000c000
- @000053b8: \$ 4 <= 8000c000
- @000053c0: \$ 4 <= 3fff4000
- @000053c0: \$ 4 <= 3fff4000
- @000053c4: \$ 3 <= 3fff4000
- @000053c8: \$ 2 <= 90000000
- @000053cc: \$ 4 <= 000a0000
- @000053d8: \$ 3 <= 00000000
- @000053dc:  $$3 \le 00000000$
- @000053e0: \$ 4 <= 00000000
- @000053f0: \$ 2 <= 00040000 @000053f8: \*00000000 <= 00040000
- @000053fc: \$ 2 <= 00000000
- @00005400: \$ 4 <= 00030000
- @00005404: \$ 3 <= 0000000e
- @0000540c: \$ 2 <= 00000000
- @00005410: \$ 2 <= 00000007
- @00005414: \*00000004 <= 07ff000b
- @00005418: \$ 4 <= 00000001
- @00005420: \$ 2 <= 00000000
- @00005424: \$ 2 <= 00030000
- @00005428: \$ 4 <= 00000002
- @00005430: \$ 4 <= 00080000
- @00005434: \$ 4 <= 00000000
- @0000543c: \$ 2 <= 00000000
- @0000544c: \$ 1 <= 00000000
- @00005454: \$ 4 <= 00040000
- @00005458: \$ 3 <= 00000000
- @00005460: \$ 2 <= 00000000
- @00005468: \$ 2 <= 00000000
- ₩00005466. \$ 2 \= 00000000
- @00005470: \*00000000 <= 00000000
- @00005478: \$ 2 <= 00000000
- @00005480: \$ 2 <= 000d0000
- @00005484: \$ 3 <= 00000000
- @00005488: \$ 4 <= 000d0001
- @00005494: \$ 3 <= 00000001
- @00005498: \$ 1 <= 00060000
- @0000549c: \$ 1 <= 00060000
- @000054a0: \$ 1 <= 000d0001

- @000054ac: \$ 3 <= 001a0001
- @000054b0: \$ 1 <= 000000a9
- @000054b4: \$ 2 <= 00000000
- @000054b8: \*00000000 <= 001a0001
- @000054c4: \$ 1 <= 00060000
- @000054d4: \$ 1 <= 00060000
- @000054dc: \$ 3 <= 00000000
- @000054ec: \*00000000 <= 001a0000
- @000054f8: \*00000000 <= 00000000
- @00005504: \$ 3 <= 00000000
- @00005510: \$ 3 <= 00030000
- @00005514: \$ 4 <= 000a0000
- @00005524: \$ 3 <= 00100000
- @00005528: \$ 4 <= 000a0000
- @00005530: \$ 3 <= 00000000
- @00005534: \$ 2 <= 00000000
- @00005538: \$ 1 <= 00000003
- @0000553c: \$ 4 <= 000e0000
- @00005544: \$ 4 <= 00000000
- @00005548: \$ 4 <= 00000001
- @0000554c: \*00000000 <= 00000100
- @00005554: \$ 1 <= 00000000
- @0000555c: \*00000000 <= 00000000
- @00005564: \*00000000 <= 00000000
- @00005570: \$ 2 <= 00000009
- @00005574: \$ 2 <= 00000000
- @00005578: \$ 3 <= 00000000
- @00005580: \*00000000 <= 00000000
- @00005580: \*00000000 <= 00000000
- @00005588: \$ 2 <= 00000000
- @0000558c: \$ 2 <= 00000000
- @00005590: \$ 3 <= 00000000
- @00005594: \$ 1 <= 00000000
- @00005598: \$ 2 <= 00000000
- @0000559c: \$ 1 <= 00000000
- @000055a0: \$ 1 <= 00000000
- @000055b0: \$ 3 <= 00020000
- e000000000. ψ 0 <= 00020000
- @000055bc: \$ 1 <= 40000000
- @000055c0: \$ 4 <= 00000000
- @000055c4: \$ 3 <= 00000008
- @000055c8: \$ 3 <= 00000000
- @000055cc: \$ 1 <= 00000000
- @000055d0: \$ 3 <= 00000000
- @000055d8: \*00000000 <= 00000000

- @000055e0: \*00000000 <= 00000000
- @000055e8: \$ 1 <= 00000000
- @000055ec: \$ 1 <= 00050000
- @000055f0: \$ 2 <= 00010000
- @000055f4: \$ 1 <= 00000000
- @000055f8: \*00000000 <= 00000000
- @000055fc: \$ 2 <= 00000000
- @00005608: \$ 4 <= 00010000
- @0000560c: \$ 2 <= 000f0000
- @00005610: \$ 3 <= 00000000
- @0000561c: \$ 4 <= 00090000
- @00005624: \$ 1 <= 00000000
- @00005628: \$ 3 <= 00000000
- @0000562c: \$ 1 <= 0000000f
- @00005640: \$ 1 <= 000d0000
- @0000564c: \$ 2 <= 00090000
- @00005654: \$ 2 <= 000a0000
- @00005658: \$ 4 <= 00080000
- @0000565c: \$ 1 <= 00000000
- @00005660: \$ 3 <= 00000000
- @00005664: \*00000000 <= 00000000
- @0000566c: \$ 4 <= 00000000
- @00005670: \$ 3 <= 00000051
- @00005674: \*00000050 <= 0000510b
- @00005678: \$ 2 <= 00000051
- @00005680: \$ 4 <= 000f0000
- @00005680: \$ 4 <= 000f0000
- @00005684: \$ 3 <= 00080000
- @00005698: \$ 3 <= 00020000
- @000056a0: \$ 3 <= 00020000
- @000056a8: \$ 3 <= fffdffff
- @000056b4: \$ 1 <= 00050000
- @000056c0: \$ 4 <= 00050000
- @000056c8: \$ 4 <= 00000000
- @000056cc: \$ 3 <= 0005000a
- @000056e0: \$ 4 <= 00000000
- @000056e4: \$ 4 <= 00000001
- @000056f0: \*00000000 <= 00000100
- @000056f8: \$ 3 <= 0000000d
- @00005700: \$ 1 <= 0000000d
- @00005704: \$ 3 <= 00000000
- @00005714: \*00000000 <= 00000000
- @0000571c: \$ 1 <= 00000000
- @00005720: \$ 4 <= 00000000

- @00005724: \$ 4 <= 00000000
- @0000572c: \$ 1 <= 00000000
- @00005730: \$ 1 <= 00000000
- @00005738: \$ 4 <= 00000002
- @00005740: \$ 1 <= 00000000
- @00005744: \$ 1 <= 00000000
- @00005748: \$ 3 <= 00000000
- @0000574c: \*00000000 <= 00000000
- @00005754: \*00000000 <= 00000000
- @00005758: \$ 1 <= 00000000
- @0000575c: \$ 2 <= 000d0000
- @0000576c: \$ 1 <= 00000000
- @00005774: \$ 4 <= 00000007
- @00005788: \*00000000 <= 00000000
- @0000578c: \*00000000 <= 00000000
- @00005794: \$ 4 <= 00000000
- @00005798: \$ 2 <= 00020000
- @000057a0: \$ 4 <= 00040000
- @000057a0: \$ 4 <= 00040000
- @000057a4: \$ 3 <= 0004000b
- @000057b0: \$ 4 <= 00020002
- @000057b4: \$ 4 <= 00000000
- @000057b8: \*00000000 <= 00000000
- @000057bc: \$ 2 <= 00000000
- @000057c0: \*00000000 <= 00000000
- @000057c4: \$ 4 <= 00000000
- @000057c8: \$ 4 <= 00000000
- @000057cc: \$ 2 <= 00000000
- @000057d0: \$ 3 <= 00000000
- @000057d4: \$ 3 <= 00000000
- @000057e0: \$ 3 <= 00090000
- @000057ec:  $$2 \le 00070000$
- @000057f0: \$ 4 <= 00090000
- @000057f4: \$ 3 <= 00050000
- @00005804: \$ 3 <= 000f0000
- @00005810: \$ 2 <= 00000000
- @0000581c: \$ 2 <= 00070000
- @0000301C. ψ Z <= 00070000
- $@00005830: $ 1 \le 00000000$
- @00005834: \$ 4 <= 00000000
- @00005838: \$ 2 <= 00000000
- @0000583c: \$ 3 <= 000c0000
- @00005848: \$ 4 <= 00000000
- @00005854: \$ 4 <= 00090000
- @00005858: \$ 2 <= 000c0000

```
@0000585c: $ 1 <= 00009000
```

- @00005868: \$ 4 <= 00000000
- @00005870: \$ 1 <= 0000000d
- @00005874: \$ 3 <= 0000000d
- @00005878: \$ 3 <= 00000000
- @0000587c: \$ 4 <= 00000000
- @00005880: \*00000000 <= 00000000
- @00005884: \$ 4 <= 000c0000
- @00005888: \$ 2 <= 00009000
- @0000588c: \$ 1 <= fff3ffff
- @00005890: \$ 1 <= 00000000
- @00005894: \$ 3 <= 00000000
- $@0000589c: $ 1 \le 00000000$
- @000058a4: \$ 3 <= 00000000
- @000058a8: \$ 2 <= 00000000
- @000058ac: \$ 3 <= 00080000
- @000058bc: \$ 1 <= 00040000
- @000058c4: \$ 1 <= 00020000
- @000058cc: \$ 1 <= 00000000
- @000058d0: \$ 4 <= 00000000
- @000058e0: \$ 3 <= 00000000
- @000058ec: \$ 3 <= 00000000
- @000058f0: \$ 3 <= 00020000
- @00005904: \$ 3 <= 00000000
- @00005908: \$ 1 <= 00000000
- @00005910: \$ 3 <= 00000000
- @00005914: \$ 3 <= 00000001
- @00005918: \$ 3 <= 000e0000
- @00005934: \$ 1 <= 000e0000
- @00005938: \$ 2 <= 00090000
- @0000593c: \$ 1 <= 00000000
- @00005944: \$ 4 <= 00050000
- @0000594c: \$ 2 <= 00000000
- @00005950: \$ 2 <= 00000000
- @00005954: \$ 3 <= 00000000
- @0000595c: \$ 2 <= 00040000
- @00005968: \$ 3 <= 00000000
- @0000596c: \$ 1 <= 00040000
- @00005974: \$ 1 <= 00040000
- @0000597c: \$ 4 <= 0004000a
- @00005984: \$ 1 <= 00000100
- @00005990: \$ 4 <= 00000000
- @000059a0: \$ 3 <= 00000010
- @000059a4: \$ 1 <= 00000010

- @000059a8: \$ 4 <= 000f0000
- @000059ac: \$ 2 <= 13000004
- @000059b8: \$ 2 <= 00004c00
- @000059bc: \*00000000 <= 00004c00
- @000059c4: \$ 2 <= 00000001
- @000059c8: \$ 3 <= 00000001
- @000059cc: \$ 1 <= 00000002
- @000059d8: \*00000000 <= 00024c00
- @000059e0: \*00000000 <= 00024c00
- @000059e0: \*00000000 <= 00024c00
- @000059e4: \$ 4 <= 00000007
- @000059e8: \$ 2 <= 00000004
- @000059ec: \$ 4 <= 00000070
- @000059f0: \$ 2 <= 00000000
- @000059f8: \$ 3 <= 00000005
- @00005a00: \$ 4 <= 0000000d
- @00005a04: \$ 1 <= 00000009
- @00005a0c: \$ 2 <= 0000000d
- @00005a10: \$ 2 <= 0000000d
- @00005a14: \$ 2 <= 00000013
- @00005a1c: \$ 1 <= 000c0000
- @00003a1C. φ 1 <= 000C0000
- @00005a20: \$ 2 <= 000c0000 @00005a24: \$ 2 <= 00090000
- 200000000
- @00005a28: \$ 4 <= fff6ffff
- @00005a30:  $$2 \le 00000000$
- @00005a34: \$ 2 <= 00000000
- @00005a38: \$ 2 <= 00030000
- $@00005a40: $ 1 \le 00000000$
- @00005a50: \$ 1 <= 00000000
- @00005a54: \$ 1 <= 00000000
- @00005a58: \$ 1 <= 00004c00
- @00005a60: \*00000000 <= 00024c00
- @00005a68: \*00000000 <= 00024c00
- @00005a78: \$ 1 <= 00094c01
- @00005a84: \$ 3 <= 000e0000
- @00005a8c: \$ 2 <= 00030000
- @00005a90: \$ 2 <= 00030000
- @00005a94: \$ 1 <= 0003000f
- @00005aa0: \$ 1 <= 00000000
- @00005aac: \$ 2 <= 00030000
- @00005ad0: \$ 2 <= 00000000
- @00005ad4: \*00000000 <= 00024c00
- @00005ae0: \$ 1 <= 00010000
- @00005ae4: \$ 3 <= 00000200

```
@00005aec: $ 3 <= 00004c00
```

- @00005af0: \$ 3 <= 00000000
- @00005af8: \$ 4 <= 00040000
- @00005afc: \$ 4 <= 00000000
- @00005b00: \$ 3 <= 00000000
- @00005b04: \$ 3 <= 00004c00
- @00005b0c: \$ 2 <= 00004c02
- @00005b18: \$ 4 <= 00024c00
- @00005b30: \$ 1 <= 00004c00
- @00005b34: \$ 4 <= 00004c02
- @00005b3c: \$ 4 <= 000a0000
- @00005b40: \$ 1 <= 00010000
- @00005b44: \$ 2 <= 000b0000
- @00005b54: \$ 4 <= 00010000
- @00005b58: \$ 4 <= 00040000
- @00005b68: \$ 1 <= 00040000
- @00005b70: \$ 4 <= 00000000
- @00005b74: \$ 2 <= 000a0000
- @00005b84: \$ 2 <= 00010000
- @00005b90: \$ 2 <= 00020000
- @00005b98: \$ 4 <= 00020000
- @00005b9c: \$ 2 <= 00000200
- @00005ba4: \$ 2 <= 00020000
- @00005ba8: \$ 3 <= 00000000
- @00005bb4: \$ 3 <= 00000000
- @00005bc0: \*00000000 <= 00020000
- @00005bcc: \$ 4 <= 00020000
- @00005bd4: \$ 1 <= 80000000
- @00005be0: \$ 3 <= 00000000
- @00005be0: \$ 3 <= 00000000
- @00005be4: \$ 2 <= 00000000
- @00005be8: \*00000000 <= 00020000
- @00005bec: \*00000000 <= 00000000
- @00005bf0: \$ 3 <= 00000000
- @00005bf8: \$ 1 <= 00000000
- @00005bfc: \$ 1 <= 000a0000
- $@00005c04: $ 3 \le 00010000$
- @00005c20: \$ 3 <= 0001000f
- @00005c24: \$ 3 <= 00000100
- @00005c30: \$ 2 <= 000a0000
- @00005c34: \$ 3 <= 00000100
- @00005c40: \$ 2 <= 00000000
- @00005c4c: \*00000000 <= 00000000
- @00005c58: \$ 1 <= 00000000

- @00005c5c: \$ 4 <= 00000000
- @00005c64: \$ 2 <= 00030000
- @00005c68: \$ 2 <= 000b0000
- @00005c6c: \$ 2 <= 00000000
- @00005c70: \*00000000 <= 00000000
- @00005c78: \$ 2 <= 00000000
- @00005c80: \$ 4 <= 00080000
- @00005c84: \*00000000 <= 00000000
- @00005c88: \$ 3 <= 00000200
- @00005c8c: \$ 4 <= 00000000
- @00005c90: \$ 3 <= 000a0000
- @00005c9c: \$ 4 <= ffffffff
- @00005ca4: \$ 4 <= ffffffff
- @00005ca8: \$ 3 <= 00000001
- @00005cb0: \$ 2 <= 00000000
- @00005cb0: \$ 2 <= 00000000
- @00005cc4: \$ 3 <= 00000000
- @00005ccc: \$ 1 <= 00000000
- @00005cd4: \*00000000 <= 00000000
- $@00005cd8: $ 4 \le 000c0000$
- @00005cdc: \$ 4 <= 00080000
- @00005ce0: \$ 4 <= 00000000
- @00005ce4: \$ 4 <= 00030000
- @00005cec: \$ 3 <= 00000000
- @00005cf4: \$ 3 <= 00000000
- @00005cf8: \$ 1 <= 00000000
- @00005cfc: \$ 2 <= 00000000
- @00005d00: \$ 3 <= 00000000
- @00005d08: \$ 3 <= 00000000
- @00005d10: \$ 3 <= 00000000
- @00005d18: \$ 4 <= 00000000
- @00005d20: \$ 3 <= 00000000
- @00005d28: \$ 3 <= 000e0000
- @00005d30: \$ 1 <= 001c0000
- @00005d38: \$ 2 <= 000e0000
- @00005d40: \$ 3 <= 00000000
- @00005d4c: \$ 1 <= 00050000
- @00005d54: \$ 4 <= 00000280
- @00005d58: \$ 2 <= 00000000
- @00005d60: \*00000000 <= 00000080
- @00005d64: \$ 4 <= 00000080
- @00005d6c: \$ 2 <= 00000080
- @00005d74: \$ 2 <= 00000000
- @00005d7c: \$ 1 <= 00000000

```
@00005d84: $ 2 <= 00000001
```

- @00005d88: \$ 2 <= 00040000
- @00005d8c: \$ 3 <= 000e0000
- @00005d94: \$ 1 <= 00060000
- @00005d98: \$ 1 <= 00000000
- @00005d9c: \$ 2 <= 00000000
- @00005da0:  $$2 \le 00000080$
- @00005da8: \$ 2 <= 00000000
- @00005db0: \$ 2 <= 00000000
- @00005db0: \$ 2 <= 00000000
- @00005db8: \$ 3 <= 00000000
- @00005dc0: \$ 2 <= 00020000
- @00005dc8: \$ 3 <= 000a0000
- @00005dcc: \$ 1 <= 0002000f
- @00005dd8: \$ 4 <= 00040000
- @00005de4: \$ 1 <= 00000000
- @00005de8: \$ 4 <= 00040000
- @00005df4: \$ 2 <= 00020000
- @00005dfc: \$ 2 <= 00040005
- @00005e24: \$ 2 <= 00000001
- @00005e28: \$ 1 <= 00000040
- @00005e2c: \$ 1 <= 00000001
- @00005e34: \*00000000 <= 00000180
- @00005e44: \*00000000 <= 00000180
- @00005e48: \$ 4 <= fffffffe
- @00005e58: \$ 1 <= 00000180
- @00005e60: \$ 3 <= 00000001
- @00005e64: \$ 2 <= 00000000
- @00005e74: \$ 1 <= 000d0000
- @00005e7c: \$ 3 <= 00030000
- @00005e80: \$ 3 <= 0003000e
- @00005e84: \$ 3 <= 000d0000
- @00005e8c: \$ 2 <= 000a0000
- @00005e98: \$ 1 <= 00000000
- @00005ea0: \*00000000 <= 00000100
- @00005ea4: \$ 3 <= 00000000
- @00005ea8: \$ 3 <= 00040000
- @00005eb0: \$ 1 <= 000d0000
- @00005eb0: \$ 1 <= 000d0000
- @00005eb8: \$ 1 <= 00001000
- @00005ebc: \$ 1 <= 00002000
- @00005ec0: \*00000000 <= 00000100
- @00005ec4: \$ 3 <= 00001000
- @00005ecc: \$ 3 <= 00000100

- @00005ed0: \$ 3 <= fffffeff
- @00005edc: \*00000000 <= 000001ff
- @00005ee8: \*00000000 <= 000001ff @00005ef0: \$ 4 <= 00040000
- @00005ef8: \$ 4 <= 00000000
- @00003e10. ψ 4 <= 00000000
- @00005f04: \$ 4 <= 00010201 @00005f10: \$ 3 <= 00000000
- @00005T10: \$ 3 <= 00000000
- @00005f14: \$ 3 <= 00000001
- @00005f18: \$ 4 <= 00000010
- @00005f24:  $$ 3 \le 00000000$
- @00005f28: \$ 3 <= 13000004
- @00005f34: \$ 1 <= 000001ff
- @00005f38: \$ 3 <= ffffffff
- @00005f40: \$ 1 <= 00000000
- @00005f48: \$ 4 <= 04000000
- $@00005f4c: $ 1 \le ffffffff$
- @00005f50: \$ 2 <= 00000000
- @00005f58: \$ 1 <= 00000001
- 3. 综合测试
- ori \$1, \$0, 10
- ori \$2, \$0, 13
- ori \$3, \$0, 6
- ori \$4, \$0, 0
- sw \$2, 0 (\$0)
- sw \$3, 4(\$0)
- sw \$2, 8(\$0)
- sw \$4, 12(\$0)
- sw \$4, 16(\$0)
- sw \$3, 20(\$0)
- sw \$4, 24(\$0)
- sw \$3, 28(\$0)
- sw \$4, 32(\$0)
- sw \$1, 36(\$0)
- sw \$2, 40(\$0)
- sw \$4. 44(\$0)
- sw \$2, 48(\$0)
- sw \$4, 52(\$0)
- 3W ψπ, ΟΖ (ψΟ)
- sw \$2, 56(\$0)
- sw \$2, 60(\$0)
- sw \$4, 64(\$0)
- sw \$3, 68(\$0)
- sw \$1, 72(\$0)
- sw \$4, 76(\$0)
- sw \$1, 80(\$0)

```
sw $4, 84($0)
```

sw \$3, 88(\$0)

sw \$4, 92(\$0)

sw \$2, 96(\$0)

sw \$2, 100(\$0)

sw \$3, 104(\$0)

sw \$4, 108(\$0)

sw \$2, 112(\$0)

sw \$3, 116(\$0)

sw \$2, 120(\$0)

sw \$1, 124(\$0)

mthi \$2

nor \$2, \$2, \$2

mult \$2, \$2

Iui \$1, 15

TAG1:

beq \$1, \$1, TAG2

mflo \$1

ori \$1, \$1, 8

bgtz \$1, TAG2

TAG2:

mtlo \$1

mthi \$1

mtlo \$1

slti \$2, \$1, 11

TAG3:

lb \$2, 0(\$2)

Ib \$2, 0(\$2)

sra \$3, \$2, 6

sw \$2, 0 (\$2)

TAG4:

sw \$3, 0 (\$3)

Iui \$2, 3

blez \$3, TAG5

multu \$3, \$2

TAG5:

mult \$2, \$2

mtlo \$2

Iui \$1, 6

Iui \$2, 1

TAG6:

mfhi \$4

nor \$2, \$2, \$4

bgtz \$2, TAG7

lb \$1, 0(\$4)

TAG7:

sw \$1, 0(\$1)

multu \$1, \$1

Iui \$3, 8

sll \$0, \$0, 0

TAG8:

srlv \$1, \$3, \$3

Iui \$4, 10

Iui \$1, 9

addiu \$3, \$4, 9

TAG9:

sll \$0, \$0, 0

sltu \$1, \$3, \$1

bne \$3, \$1, TAG10

sw \$1, 0(\$1)

TAG10:

bltz \$1, TAG11

Iui \$3, 15

mthi \$1

sII \$0, \$0, 0

TAG11:

mthi \$3

div \$3, \$3

sll \$0, \$0, 0

divu \$1, \$3

TAG12:

mult \$1, \$1

multu \$1, \$1

mfhi \$3

mult \$1, \$3

TAG13:

sb \$3, 0(\$3)

blez \$3, TAG14

Iui \$3, 11

ori \$3, \$3, 3

TAG14:

sII \$0, \$0, 0

mflo \$4

sb \$4, 0(\$4)

multu \$3, \$4

TAG15:

mtlo \$4

mtlo \$4

```
Iui $3, 9
```

mult \$3, \$4

TAG16:

mtlo \$3

bltz \$3, TAG17

sll \$0, \$0, 0

Iui \$1, 0

TAG17:

mtlo \$1

mtlo \$1

mfhi \$1

sltu \$1, \$1, \$1

TAG18:

sb \$1, 0(\$1)

mflo \$2

mthi \$2

beq \$2, \$1, TAG19

TAG19:

mthi \$2

andi \$1, \$2, 3

sw \$1, 0(\$2)

sb \$2, 0(\$2)

TAG20:

Iui \$2, 13

Iui \$2, 6

div \$2, \$2

mfhi \$3

TAG21:

slt \$1, \$3, \$3

mtlo \$3

mtlo \$3

andi \$4, \$3, 0

TAG22:

mthi \$4

slti \$3, \$4, 2

Ib \$3, 0(\$3)

andi \$4, \$4, 2

TAG23:

bltz \$4, TAG24

sb \$4, 0(\$4)

mtlo \$4

multu \$4, \$4

TAG24:

bltz \$4, TAG25

Ih \$3, 0(\$4)

mult \$4, \$3

sh \$3, 0(\$3)

TAG25:

Ibu \$4, 0(\$3)

mfhi \$1

and \$1, \$3, \$1

bltz \$3, TAG26

TAG26:

Ihu \$2, 0(\$1)

blez \$1, TAG27

multu \$1, \$2

beq \$2, \$2, TAG27

TAG27:

Ihu \$3, 0(\$2)

mfhi \$4

Iui \$2, 0

slti \$2, \$2, 4

TAG28:

mtlo \$2

bltz \$2, TAG29

divu \$2, \$2

Iui \$3, 2

TAG29:

sII \$0, \$0, 0

beq \$3, \$3, TAG30

ori \$2, \$4, 2

addiu \$2, \$4, 14

TAG30:

div \$2, \$2

mfhi \$4

Ihu \$1, 0(\$2)

mtlo \$4

TAG31:

mfhi \$4

mflo \$3

Ib \$3, 0(\$1)

blez \$3, TAG32

TAG32:

add \$2, \$3, \$3

xor \$2, \$3, \$3

Iui \$2, 10

beq \$2, \$2, TAG33

TAG33:

mult \$2, \$2

mfhi \$1

blez \$2, TAG34

subu \$3, \$1, \$2

TAG34:

sll \$0, \$0, 0

mult \$3, \$4

sII \$0, \$0, 0

mthi \$3

TAG35:

mult \$4, \$4

mult \$4, \$4

bgtz \$4, TAG36

mfhi \$1

TAG36:

multu \$1, \$1

bgez \$1, TAG37

mult \$1, \$1

mtlo \$1

TAG37:

bltz \$1, TAG38

sh \$1, 0(\$1)

mfhi \$3

mtlo \$1

**TAG38:** 

mfhi \$3

nor \$4, \$3, \$3

sb \$3, 1(\$4)

slt \$3, \$4, \$3

TAG39:

Iui \$4, 3

mfhi \$2

mflo \$3

sltu \$1, \$4, \$4

TAG40:

Ih \$3, 0(\$1)

Ibu \$1, 0(\$1)

bne \$1, \$3, TAG41

Ib \$3, 0(\$1)

TAG41:

xori \$1, \$3, 6

addiu \$1, \$1, 9

Iui \$2, 2

or \$2, \$1, \$1

```
TAG42:
```

lb \$3, 0(\$2)

Ih \$3, 0(\$3)

andi \$4, \$3, 15

mtlo \$3

TAG43:

sII \$1, \$4, 7

mtlo \$1

mflo \$3

multu \$3, \$1

TAG44:

beq \$3, \$3, TAG45

mfhi \$3

mult \$3, \$3

sltiu \$3, \$3, 1

TAG45:

mflo \$4

sllv \$2, \$4, \$3

Iui \$4, 12

srlv \$1, \$4, \$4

TAG46:

beq \$1, \$1, TAG47

sII \$0, \$0, 0

Ib \$1, 0(\$1)

multu \$1, \$1

TAG47:

addu \$4, \$1, \$1

beq \$1, \$1, TAG48

sII \$0, \$0, 0

blez \$1, TAG48

TAG48:

andi \$4, \$3, 4

mult \$4, \$3

sh \$4, 0(\$3)

addu \$3, \$3, \$4

TAG49:

Iui \$3, 7

mfhi \$2

mflo \$3

ori \$2, \$2, 1

TAG50:

andi \$3, \$2, 10

srlv \$2, \$2, \$2

beq \$3, \$3, TAG51

sb \$2, 0(\$2)

TAG51:

bne \$2, \$2, TAG52

ori \$1, \$2, 12

Iui \$2, 14

Iw \$2, 0(\$1)

TAG52:

bne \$2, \$2, TAG53

sII \$4, \$2, 15

sb \$2, 0(\$4)

bne \$2, \$4, TAG53

TAG53:

sw \$4, 0(\$4)

Iw \$2, 0(\$4)

andi \$2, \$2, 13

mtlo \$4

TAG54:

mthi \$2

Iw \$2, 0(\$2)

sh \$2, 0(\$2)

Iw \$1, 0(\$2)

TAG55:

mflo \$3

slti \$3, \$3, 2

mtlo \$1

mult \$1, \$3

TAG56:

sb \$3, 0(\$3)

bgez \$3, TAG57

Iui \$2, 11

blez \$3, TAG57

TAG57:

sll \$0, \$0, 0

Iui \$2, 6

multu \$2, \$2

beq \$2, \$2, TAG58

TAG58:

srl \$1, \$2, 9

sb \$1, -768(\$1)

mthi \$1

mult \$1, \$1

TAG59:

Iui \$1, 11

sll \$0, \$0, 0

```
bne $1, $1, TAG60
```

andi \$2, \$1, 7

TAG60:

slt \$3, \$2, \$2

andi \$4, \$2, 9

mult \$2, \$2

mtlo \$3

TAG61:

sw \$4, 0 (\$4)

mfhi \$1

or \$3, \$1, \$1

Iui \$3, 1

TAG62:

div \$3, \$3

mtlo \$3

mtlo \$3

subu \$2, \$3, \$3

TAG63:

sII \$4, \$2, 1

bne \$4, \$4, TAG64

Iui \$1, 4

mfhi \$1

TAG64:

mfhi \$4

sh \$1, 0(\$1)

lui \$4, 9

bne \$1, \$1, TAG65

TAG65:

Iui \$2, 2

mflo \$1

xori \$2, \$1, 2

mtlo \$2

TAG66:

beq \$2, \$2, TAG67

multu \$2, \$2

sw \$2, 0(\$2)

sllv \$4, \$2, \$2

TAG67:

beq \$4, \$4, TAG68

addiu \$3, \$4, 11

bltz \$3, TAG68

Iui \$4, 6

TAG68:

sll \$0, \$0, 0

sII \$0, \$0, 0

sII \$0, \$0, 0

beq \$1, \$2, TAG69

TAG69:

mthi \$2

Iui \$3, 4

bgtz \$3, TAG70

Iui \$1, 3

TAG70:

mfhi \$1

mtlo \$1

mfhi \$3

Iui \$3, 12

TAG71:

Iui \$4, 4

mthi \$3

beq \$4, \$4, TAG72

multu \$4, \$3

TAG72:

Iui \$1, 14

slti \$2, \$4, 9

sll \$0, \$0, 0

Ih \$1, 0(\$2)

TAG73:

srav \$4, \$1, \$1

nor \$3, \$4, \$1

mtlo \$4

sra \$2, \$4, 3

TAG74:

bne \$2, \$2, TAG75

Iui \$4, 4

mfhi \$1

sll \$0, \$0, 0

TAG75:

Ih \$2, 0(\$1)

slt \$2, \$2, \$2

bgez \$2, TAG76

Iui \$1, 5

TAG76:

sll \$0, \$0, 0

blez \$4, TAG77

sll \$0, \$0, 0

sII \$0, \$0, 0

**TAG77**:

```
bgtz $4, TAG78
```

mflo \$1

mflo \$2

andi \$1, \$1, 7

TAG78:

Ibu \$1, 0(\$1)

mthi \$1

Iui \$3, 1

sltiu \$3, \$1, 2

TAG79:

sltu \$1, \$3, \$3

mfhi \$3

mtlo \$3

mthi \$1

TAG80:

Iw \$2, 0(\$3)

addu \$3, \$2, \$3

sb \$3, 0(\$3)

sltu \$3, \$3, \$3

TAG81:

sw \$3, 0(\$3)

mult \$3, \$3

mtlo \$3

sw \$3, 0 (\$3)

TAG82:

sh \$3, 0(\$3)

sltiu \$3, \$3, 13

andi \$1, \$3, 0

sb \$3, 0(\$3)

TAG83:

bgtz \$1, TAG84

Iui \$1, 10

mfhi \$1

bgtz \$1, TAG84

TAG84:

sh \$1, 0(\$1)

sh \$1, 0(\$1)

mfhi \$2

mtlo \$2

TAG85:

beq \$2, \$2, TAG86

Ihu \$1, 0(\$2)

mflo \$2

Iui \$1, 13

```
TAG86:
```

sIti \$2, \$1, 10

subu \$3, \$2, \$2

mflo \$3

mult \$1, \$2

**TAG87**:

bgtz \$3, TAG88

mult \$3, \$3

mthi \$3

sb \$3, 0(\$3)

TAG88:

ori \$4, \$3, 10

slt \$3, \$3, \$4

mfhi \$1

xor \$4, \$1, \$1

TAG89:

lb \$3, 0(\$4)

slti \$2, \$3, 14

addi \$4, \$3, 4

Ibu \$2, 0(\$2)

TAG90:

sh \$2, 0(\$2)

Ib \$1, 0(\$2)

mfhi \$3

sw \$3, 0(\$2)

TAG91:

sb \$3, 0(\$3)

srlv \$2, \$3, \$3

mthi \$2

Ihu \$1, 0(\$2)

TAG92:

Iui \$4, 8

mflo \$2

mtlo \$2

bltz \$4, TAG93

TAG93:

Iui \$1, 9

addu \$3, \$1, \$2

bgtz \$1, TAG94

Ih \$1, 0(\$2)

TAG94:

blez \$1, TAG95

mult \$1, \$1

bgtz \$1, TAG95

mflo \$2

TAG95:

multu \$2, \$2

blez \$2, TAG96

mthi \$2

mfhi \$2

TAG96:

srlv \$1, \$2, \$2

mult \$2, \$1

beq \$1, \$2, TAG97

sII \$1, \$2, 1

TAG97:

mthi \$1

multu \$1, \$1

bne \$1, \$1, TAG98

mthi \$1

TAG98:

mtlo \$1

xori \$2, \$1, 1

multu \$1, \$1

sb \$2, 0(\$2)

TAG99:

bgtz \$2, TAG100

sII \$4, \$2, 9

bne \$2, \$4, TAG100

sb \$2, 0(\$4)

TAG100:

Iui \$2, 5

Iui \$4, 10

beq \$4, \$4, TAG101

sltiu \$2, \$4, 8

TAG101:

sh \$2, 0(\$2)

slt \$3, \$2, \$2

mthi \$2

addiu \$1, \$2, 5

TAG102:

Ibu \$4, 0(\$1)

addi \$4, \$4, 9

bltz \$4, TAG103

Ibu \$1, 0(\$4)

TAG103:

bne \$1, \$1, TAG104

Iui \$1, 3

mtlo \$1

multu \$1, \$1

TAG104:

mthi \$1

multu \$1, \$1

mflo \$3

Iui \$4, 10

TAG105:

multu \$4, \$4

srav \$2, \$4, \$4

sII \$3, \$2, 8

sll \$0, \$0, 0

TAG106:

sll \$0, \$0, 0

bgtz \$2, TAG107

multu \$2, \$2

Ib \$2, 0(\$2)

TAG107:

sll \$0, \$0, 0

or \$3, \$2, \$2

divu \$2, \$3

beq \$2, \$2, TAG108

TAG108:

sll \$2, \$3, 8

mthi \$3

mflo \$2

sII \$2, \$2, 1

TAG109:

addiu \$3, \$2, 15

mthi \$3

and \$4, \$2, \$3

bne \$3, \$2, TAG110

TAG110:

mtlo \$4

mthi \$4

bgtz \$4, TAG111

mflo \$4

TAG111:

Iui \$3, 12

beq \$3, \$4, TAG112

mfhi \$4

sb \$4, 0(\$4)

TAG112:

bgez \$4, TAG113

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Ib $4, 0($4)
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sII \$2, \$4, 7

mflo \$1

TAG113:

Iui \$1, 5

mfhi \$3

sII \$0, \$0, 0

sra \$1, \$1, 0

TAG114:

bgtz \$1, TAG115

mfhi \$3

sw \$3, 0(\$1)

bne \$3, \$1, TAG115

TAG115:

mflo \$3

bgtz \$3, TAG116

multu \$3, \$3

mflo \$2

TAG116:

sltiu \$1, \$2, 2

mfhi \$1

mtlo \$1

beq \$2, \$2, TAG117

TAG117:

xori \$3, \$1, 14

bne \$1, \$1, TAG118

mthi \$1

srl \$2, \$3, 9

TAG118:

Iui \$4, 7

mult \$4, \$2

nor \$1, \$4, \$2

sII \$0, \$0, 0

TAG119:

Iui \$2, 9

sll \$0, \$0, 0

mult \$2, \$1

Iui \$4, 11

TAG120:

sllv \$1, \$4, \$4

Iui \$2, 2

mthi \$2

sII \$0, \$0, 0

TAG121:

bne \$2, \$2, TAG122

nor \$3, \$2, \$2

subu \$4, \$2, \$3

sra \$3, \$4, 9

TAG122:

sb \$3, -512 (\$3)

Ih \$3, -512(\$3)

mtlo \$3

Iw \$4, 0(\$3)

TAG123:

mthi \$4

beq \$4, \$4, TAG124

Iw \$4, 0(\$4)

Ih \$3, 0(\$4)

TAG124:

mtlo \$3

bne \$3, \$3, TAG125

Iui \$2, 0

blez \$3, TAG125

TAG125:

Iui \$4, 4

mtlo \$2

Iui \$2, 12

andi \$4, \$2, 10

TAG126:

mthi \$4

beq \$4, \$4, TAG127

sub \$4, \$4, \$4

mthi \$4

TAG127:

mult \$4, \$4

xor \$2, \$4, \$4

mthi \$4

mthi \$4

TAG128:

mtlo \$2

addiu \$2, \$2, 14

nor \$1, \$2, \$2

mfhi \$3

TAG129:

mfhi \$1

multu \$3, \$3

mtlo \$1

bgtz \$3, TAG130

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TAG130:
```

srav \$1, \$1, \$1

sh \$1, 0(\$1)

mfhi \$4

Iui \$3, 14

TAG131:

bne \$3, \$3, TAG132

sra \$4, \$3, 6

bne \$4, \$4, TAG132

sra \$1, \$4, 6

TAG132:

mtlo \$1

mtlo \$1

Ibu \$3, -224(\$1)

mfhi \$2

TAG133:

Ihu \$4, 0(\$2)

Ibu \$1, 0(\$2)

sb \$2, 0(\$4)

mflo \$2

TAG134:

Iui \$3, 14

slti \$2, \$3, 0

bgtz \$3, TAG135

multu \$2, \$2

TAG135:

mtlo \$2

mult \$2, \$2

srl \$4, \$2, 7

Ib \$1, 0(\$2)

TAG136:

beq \$1, \$1, TAG137

mtlo \$1

slti \$3, \$1, 3

mtlo \$1

TAG137:

multu \$3, \$3

Iui \$1, 8

blez \$3, TAG138

Iui \$2, 1

TAG138:

bne \$2, \$2, TAG139

Iui \$3, 2

subu \$4, \$2, \$3

sII \$0, \$0, 0

TAG139:

subu \$3, \$2, \$2

sll \$0, \$0, 0

mult \$2, \$3

beq \$3, \$3, TAG140

TAG140:

mtlo \$3

Ihu \$2, 0(\$3)

mult \$3, \$3

sb \$3, 0(\$3)

TAG141:

Ih \$3, 0(\$2)

blez \$2, TAG142

srav \$2, \$3, \$3

sIti \$3, \$3, 1

TAG142:

sltiu \$1, \$3, 5

lui \$4, 4

beq \$1, \$1, TAG143

mtlo \$1

TAG143:

mthi \$4

mfhi \$4

bgtz \$4, TAG144

subu \$3, \$4, \$4

TAG144:

mtlo \$3

bne \$3, \$3, TAG145

nor \$2, \$3, \$3

bltz \$2, TAG145

TAG145:

mflo \$4

Ih \$3, 0(\$4)

mult \$4, \$4

Ih \$4, 0(\$4)

TAG146:

mthi \$4

multu \$4, \$4

multu \$4, \$4

Iui \$1, 10

TAG147:

srl \$1, \$1, 13

mthi \$1

Iw \$1, 0(\$1)

Ihu \$4, 0(\$1)

TAG148:

mthi \$4

multu \$4, \$4

mflo \$3

Iui \$1, 1

TAG149:

addiu \$1, \$1, 2

mflo \$4

srav \$4, \$4, \$4

beq \$1, \$4, TAG150

TAG150:

addiu \$3, \$4, 15

ori \$3, \$3, 2

Ibu \$2, 0(\$3)

addu \$1, \$2, \$3

TAG151:

sb \$1, 0(\$1)

sb \$1, 0(\$1)

mthi \$1

Iui \$2, 6

TAG152:

mthi \$2

beq \$2, \$2, TAG153

mfhi \$3

srav \$1, \$2, \$2

TAG153:

andi \$1, \$1, 5

div \$1, \$1

divu \$1, \$1

mflo \$3

TAG154:

multu \$3, \$3

bne \$3, \$3, TAG155

sllv \$2, \$3, \$3

blez \$2, TAG155

TAG155:

Iui \$1, 13

mfhi \$4

sll \$0, \$0, 0

Iui \$1, 10

TAG156:

mflo \$3

bne \$1, \$1, TAG157

mfhi \$2

multu \$3, \$2

TAG157:

sh \$2, 0(\$2)

multu \$2, \$2

andi \$2, \$2, 11

beq \$2, \$2, TAG158

TAG158:

mthi \$2

Iui \$3, 15

mthi \$2

mfhi \$3

TAG159:

Iui \$2, 5

blez \$2, TAG160

sh \$3, 0(\$3)

Iui \$2, 3

TAG160:

mtlo \$2

sll \$0, \$0, 0

sll \$0, \$0, 0

sII \$0, \$0, 0

TAG161:

mtlo \$2

mtlo \$2

divu \$2, \$2

beq \$2, \$2, TAG162

TAG162:

div \$2, \$2

xor \$3, \$2, \$2

sllv \$3, \$3, \$2

beq \$2, \$2, TAG163

TAG163:

Ibu \$3, 0(\$3)

mthi \$3

beq \$3, \$3, TAG164

Iui \$3, 15

TAG164:

blez \$3, TAG165

Iui \$2, 8

mthi \$3

mflo \$1

TAG165:

addu \$3, \$1, \$1

addiu \$3, \$1, 2

mthi \$3

mfhi \$2

TAG166:

mfhi \$1

Ib \$3, 0(\$2)

bne \$1, \$3, TAG167

mflo \$3

TAG167:

bne \$3, \$3, TAG168

Iui \$1, 7

sb \$1, 0(\$3)

bne \$3, \$3, TAG168

TAG168:

mult \$1, \$1

lui \$2, 7

mtlo \$2

bgtz \$1, TAG169

TAG169:

multu \$2, \$2

multu \$2, \$2

mtlo \$2

sll \$0, \$0, 0

TAG170:

Iui \$2, 13

sII \$0, \$0, 0

mflo \$1

mtlo \$2

TAG171:

srl \$3, \$1, 5

sltiu \$1, \$1, 4

Ib \$1, 0(\$1)

bne \$1, \$1, TAG172

TAG172:

sh \$1, 0(\$1)

addu \$3, \$1, \$1

mtlo \$1

bltz \$1, TAG173

TAG173:

Ib \$1, 0(\$3)

mflo \$3

Ihu \$4, 0(\$3)

Iw \$3, 0(\$4)

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TAG174:
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bne \$3, \$3, TAG175

mfhi \$4

beq \$4, \$3, TAG175

mthi \$4

TAG175:

divu \$4, \$4

srav \$4, \$4, \$4

mthi \$4

mtlo \$4

TAG176:

mthi \$4

mfhi \$3

and \$3, \$4, \$4

mtlo \$3

TAG177:

ori \$1, \$3, 2

Ihu \$2, 0(\$3)

sh \$2, 0(\$3)

bne \$1, \$1, TAG178

TAG178:

sh \$2, 0(\$2)

beq \$2, \$2, TAG179

Ib \$4, 0(\$2)

mthi \$2

TAG179:

sII \$1, \$4, 10

Iui \$4, 14

div \$1, \$4

beq \$1, \$1, TAG180

TAG180:

sII \$3, \$4, 5

bgtz \$4, TAG181

mult \$4, \$3

lui \$3, 7

TAG181:

slt \$2, \$3, \$3

lui \$2, 4

sII \$0, \$0, 0

sll \$0, \$0, 0

TAG182:

beq \$2, \$2, TAG183

divu \$2, \$2

sb \$2, 0(\$2)

mthi \$2

TAG183:

sII \$0, \$0, 0

beq \$1, \$1, TAG184

mult \$2, \$1

Ihu \$1, 0(\$1)

TAG184:

xori \$1, \$1, 15

lb \$4, 0(\$1)

sb \$4, 0(\$4)

Ib \$3, 0(\$4)

TAG185:

mflo \$4

or \$2, \$4, \$3

mflo \$3

Ibu \$4, 0(\$2)

TAG186:

andi \$2, \$4, 15

addiu \$1, \$4, 5

mtlo \$1

slt \$2, \$2, \$2

TAG187:

beq \$2, \$2, TAG188

Iui \$1, 7

ori \$2, \$2, 4

beq \$2, \$1, TAG188

TAG188:

mthi \$2

xor \$3, \$2, \$2

Iui \$3, 15

Ih \$2, 0(\$2)

TAG189:

Ibu \$2, 0(\$2)

mflo \$4

Iui \$1, 12

mflo \$3

TAG190:

sh \$3, 0(\$3)

sltiu \$2, \$3, 4

bne \$3, \$2, TAG191

mfhi \$3

TAG191:

addiu \$2, \$3, 3

sII \$1, \$3, 6

Ib \$1, 0(\$2)

blez \$3, TAG192

TAG192:

mtlo \$1

mtlo \$1

Ihu \$4, 0(\$1)

bne \$1, \$4, TAG193

TAG193:

mflo \$2

sub \$4, \$2, \$4

sw \$4, 0 (\$4)

srl \$4, \$2, 6

TAG194:

mflo \$2

mthi \$4

Iw \$4, 0(\$4)

beq \$4, \$4, TAG195

TAG195:

Ib \$2, 0(\$4)

mtlo \$2

mflo \$4

subu \$3, \$4, \$4

TAG196:

addiu \$3, \$3, 11

sra \$4, \$3, 8

divu \$3, \$3

Iui \$1, 8

TAG197:

bltz \$1, TAG198

addu \$4, \$1, \$1

mfhi \$2

mtlo \$4

TAG198:

bgtz \$2, TAG199

mfhi \$1

multu \$2, \$1

Ih \$3, 0(\$1)

TAG199:

and \$3, \$3, \$3

sb \$3, 0(\$3)

Iui \$2, 0

mtlo \$3

TAG200:

mult \$2, \$2

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Iui $1, 1
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blez \$1, TAG201

slti \$4, \$2, 2

TAG201:

mfhi \$1

bne \$4, \$1, TAG202

sb \$4, 0(\$4)

Ib \$4, 0(\$1)

TAG202:

addu \$2, \$4, \$4

Iui \$4, 11

bgtz \$4, TAG203

sII \$1, \$2, 12

TAG203:

sb \$1, -8192 (\$1)

blez \$1, TAG204

mflo \$2

mult \$2, \$2

TAG204:

srl \$2, \$2, 11

mult \$2, \$2

mult \$2, \$2

bgtz \$2, TAG205

TAG205:

mfhi \$1

Iw \$4, 0(\$2)

Iui \$3, 9

mthi \$2

TAG206:

bgez \$3, TAG207

mfhi \$3

mthi \$3

mthi \$3

TAG207:

xori \$1, \$3, 0

mtlo \$3

sltu \$1, \$3, \$1

sra \$2, \$3, 14

TAG208:

mtlo \$2

xor \$1, \$2, \$2

mtlo \$1

srlv \$1, \$2, \$2

TAG209:

mflo \$1

Iw \$4, 0(\$1)

bne \$1, \$1, TAG210

Iui \$2, 2

TAG210:

sll \$0, \$0, 0

blez \$2, TAG211

mtlo \$2

bgtz \$2, TAG211

TAG211:

Iui \$2, 4

mult \$2, \$2

bne \$2, \$2, TAG212

srl \$2, \$2, 9

TAG212:

bgez \$2, TAG213

mthi \$2

Iui \$3, 11

bltz \$3, TAG213

TAG213:

sh \$3, 0(\$3)

mult \$3, \$3

Ih \$4, 0(\$3)

Iui \$1, 12

TAG214:

div \$1, \$1

subu \$1, \$1, \$1

sb \$1, 0(\$1)

Ihu \$3, 0(\$1)

TAG215:

nor \$4, \$3, \$3

mult \$3, \$3

srlv \$1, \$3, \$3

sw \$1, 0(\$1)

TAG216:

Iui \$1, 9

subu \$4, \$1, \$1

bltz \$1, TAG217

mult \$1, \$1

TAG217:

Iui \$2, 13

mthi \$4

bne \$4, \$4, TAG218

xori \$3, \$4, 2

TAG218:

Ihu \$4, 0(\$3)

sllv \$3, \$3, \$3

mtlo \$3

Ib \$4, 0(\$3)

TAG219:

Iui \$4, 12

mult \$4, \$4

nor \$1, \$4, \$4

sltiu \$1, \$4, 15

TAG220:

mult \$1, \$1

sw \$1, 0(\$1)

bne \$1, \$1, TAG221

mfhi \$2

TAG221:

Iw \$1, 0(\$2)

mtlo \$2

Iw \$4, 0(\$1)

bne \$4, \$4, TAG222

TAG222:

addiu \$2, \$4, 8

sh \$4, 0(\$4)

bgez \$2, TAG223

sra \$1, \$2, 9

TAG223:

mtlo \$1

blez \$1, TAG224

sb \$1, 0(\$1)

bltz \$1, TAG224

TAG224:

mfhi \$4

sllv \$3, \$1, \$1

beq \$4, \$1, TAG225

Iui \$2, 13

TAG225:

beg \$2, \$2, TAG226

srlv \$1, \$2, \$2

beq \$2, \$2, TAG226

mfhi \$4

TAG226:

Ib \$1, 0(\$4)

bgez \$4, TAG227

addiu \$3, \$1, 2

bgez \$1, TAG227

TAG227:

sb \$3, 0(\$3)

mfhi \$1

mult \$1, \$3

divu \$3, \$3

TAG228:

mflo \$4

srl \$2, \$4, 13

mflo \$3

Ibu \$4, 0(\$3)

TAG229:

mthi \$4

mfhi \$2

sw \$2, 0(\$2)

mthi \$2

TAG230:

mthi \$2

blez \$2, TAG231

mfhi \$3

mult \$3, \$3

TAG231:

mfhi \$3

sb \$3, 0(\$3)

blez \$3, TAG232

multu \$3, \$3

TAG232:

sltu \$4, \$3, \$3

mtlo \$4

mult \$4, \$3

mult \$4, \$3

TAG233:

Iui \$2, 2

beq \$4, \$4, TAG234

lui \$4, 4

sw \$4, 0(\$2)

TAG234:

nor \$4, \$4, \$4

mfhi \$1

sw \$1, 0(\$1)

blez \$4, TAG235

TAG235:

mtlo \$1

Iw \$1, 0(\$1)

bne \$1, \$1, TAG236

Ih \$3, 0(\$1)

TAG236:

Ibu \$2, 0(\$3)

blez \$2, TAG237

sltu \$2, \$2, \$3

or \$4, \$2, \$2

TAG237:

mtlo \$4

mtlo \$4

srlv \$4, \$4, \$4

mthi \$4

TAG238:

mthi \$4

xori \$4, \$4, 6

sb \$4, 0(\$4)

Iui \$2, 11

TAG239:

blez \$2, TAG240

mfhi \$1

nor \$3, \$2, \$2

sllv \$3, \$3, \$1

TAG240:

sll \$0, \$0, 0

sra \$2, \$3, 15

beq \$2, \$3, TAG241

Iui \$1, 13

TAG241:

mflo \$1

multu \$1, \$1

sltiu \$3, \$1, 3

Iui \$3, 0

TAG242:

bgez \$3, TAG243

Iui \$1, 7

srl \$2, \$3, 4

sltiu \$3, \$1, 9

TAG243:

add \$2, \$3, \$3

mfhi \$1

bne \$1, \$3, TAG244

subu \$2, \$2, \$2

TAG244:

sII \$3, \$2, 5

mflo \$2

srlv \$1, \$2, \$3

Iui \$4, 15

TAG245:

mthi \$4

sll \$0, \$0, 0

addiu \$1, \$4, 2

addu \$4, \$1, \$1

TAG246:

blez \$4, TAG247

multu \$4, \$4

sll \$0, \$0, 0

subu \$3, \$4, \$4

TAG247:

slt \$1, \$3, \$3

ori \$3, \$1, 15

lb \$1, 0(\$3)

Iui \$4, 11

TAG248:

mflo \$1

sII \$0, \$0, 0

multu \$1, \$1

sII \$0, \$0, 0

TAG249:

mflo \$3

Iui \$1, 12

Iui \$1, 15

mult \$1, \$1

TAG250:

sII \$0, \$0, 0

divu \$1, \$1

bgtz \$1, TAG251

multu \$1, \$1

TAG251:

div \$1, \$1

divu \$1, \$1

mthi \$1

mtlo \$1

TAG252:

mthi \$1

bgtz \$1, TAG253

mtlo \$1

addu \$1, \$1, \$1

TAG253:

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sII $0, $0, 0
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sII \$0, \$0, 0

Iui \$4, 15

mthi \$2

TAG254:

ori \$1, \$4, 2

multu \$4, \$4

sra \$3, \$1, 5

divu \$1, \$4

TAG255:

sll \$0, \$0, 0

divu \$3, \$3

bgez \$4, TAG256

Iui \$1, 14

TAG256:

mthi \$1

multu \$1, \$1

mfhi \$3

sll \$0, \$0, 0

TAG257:

bne \$3, \$3, TAG258

xor \$3, \$3, \$3

bgez \$3, TAG258

Ib \$4, 0(\$3)

TAG258:

sb \$4, 0(\$4)

bgtz \$4, TAG259

mfhi \$1

div \$4, \$1

TAG259:

mflo \$2

Iui \$1, 15

andi \$3, \$1, 8

beq \$3, \$3, TAG260

TAG260:

Ibu \$1, 0(\$3)

multu \$3, \$1

and \$1, \$1, \$1

multu \$1, \$3

TAG261:

mthi \$1

bgez \$1, TAG262

mult \$1, \$1

mflo \$1

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TAG262:
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bne \$1, \$1, TAG263

sh \$1, 0(\$1)

sllv \$2, \$1, \$1

mflo \$3

TAG263:

mthi \$3

sh \$3, 0(\$3)

sh \$3, 0(\$3)

Iui \$1, 4

TAG264:

Iui \$3, 7

bne \$1, \$1, TAG265

mflo \$3

blez \$3, TAG265

TAG265:

sw \$3, 0 (\$3)

Iui \$3, 7

bltz \$3, TAG266

addiu \$2, \$3, 6

TAG266:

mfhi \$2

mtlo \$2

sw \$2, 0(\$2)

beq \$2, \$2, TAG267

TAG267:

Iw \$1, 0(\$2)

sltiu \$2, \$2, 8

multu \$2, \$1

Iui \$3, 6

TAG268:

blez \$3, TAG269

Iui \$2, 12

addiu \$1, \$2, 0

mtlo \$1

TAG269:

mtlo \$1

sII \$0, \$0, 0

subu \$4, \$1, \$1

Ibu \$2, 0(\$4)

TAG270:

bltz \$2, TAG271

sh \$2, 0(\$2)

sra \$1, \$2, 8

bgtz \$2, TAG271

TAG271:

mtlo \$1

sub \$1, \$1, \$1

srl \$2, \$1, 15

srav \$1, \$1, \$1

TAG272:

multu \$1, \$1

srav \$4, \$1, \$1

sb \$1, 0(\$1)

sb \$4, 0(\$1)

TAG273:

mult \$4, \$4

bltz \$4, TAG274

Iw \$4, 0(\$4)

Iui \$3, 14

TAG274:

divu \$3, \$3

mtlo \$3

sII \$0, \$0, 0

bne \$3, \$1, TAG275

TAG275:

addi \$3, \$1, 2

sh \$3, 0(\$3)

Iui \$3, 13

mflo \$3

TAG276:

blez \$3, TAG277

sII \$0, \$0, 0

beq \$3, \$3, TAG277

addu \$3, \$3, \$3

TAG277:

sltiu \$2, \$3, 6

sb \$3, 0(\$2)

srlv \$2, \$3, \$3

sll \$0, \$0, 0

TAG278:

mtlo \$3

div \$3, \$3

mfhi \$1

and \$4, \$1, \$1

TAG279:

bltz \$4, TAG280

slti \$4, \$4, 13

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sb $4, 0($4)
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Ib \$2, 0(\$4)

TAG280:

beq \$2, \$2, TAG281

nor \$4, \$2, \$2

divu \$2, \$4

mtlo \$4

TAG281:

blez \$4, TAG282

addiu \$1, \$4, 4

mult \$1, \$1

Ib \$1, 0(\$4)

TAG282:

sh \$1, 0(\$1)

mthi \$1

mfhi \$3

addu \$2, \$1, \$1

TAG283:

beq \$2, \$2, TAG284

Iui \$2, 0

Iw \$1, 0(\$2)

xori \$2, \$2, 2

TAG284:

sh \$2, 0(\$2)

Ib \$2, 0(\$2)

mthi \$2

Ib \$4, 0(\$2)

TAG285:

mtlo \$4

mthi \$4

mthi \$4

mult \$4, \$4

TAG286:

mflo \$1

bgez \$4, TAG287

srl \$4, \$4, 13

Iui \$2, 14

TAG287:

mult \$2, \$2

mflo \$4

mfhi \$4

bne \$4, \$4, TAG288

TAG288:

addi \$4, \$4, 9

Iui \$1, 4

xor \$1, \$4, \$1

sb \$1, 0(\$4)

TAG289:

sltiu \$1, \$1, 5

sb \$1, 0(\$1)

addiu \$1, \$1, 2

div \$1, \$1

TAG290:

sllv \$4, \$1, \$1

sh \$4, 0(\$1)

sw \$4, 0 (\$4)

sh \$1, 0(\$1)

TAG291:

blez \$4, TAG292

mflo \$4

slti \$4, \$4, 14

bne \$4, \$4, TAG292

TAG292:

Iui \$4, 9

sll \$0, \$0, 0

sll \$0, \$0, 0

multu \$4, \$4

TAG293:

mflo \$4

sw \$1, 0(\$4)

srav \$2, \$1, \$4

div \$2, \$1

TAG294:

mfhi \$3

sb \$2, 0(\$2)

mflo \$4

beq \$2, \$2, TAG295

TAG295:

mfhi \$4

xori \$1, \$4, 3

sra \$4, \$4, 1

mthi \$4

TAG296:

mfhi \$2

xori \$2, \$2, 0

sII \$4, \$2, 11

bltz \$4, TAG297

TAG297:

multu \$4, \$4

bgez \$4, TAG298

Ih \$2, 0(\$4)

mfhi \$2

TAG298:

sh \$2, 0(\$2)

sb \$2, 0(\$2)

mflo \$3

bgtz \$2, TAG299

TAG299:

srav \$4, \$3, \$3

mult \$3, \$3

blez \$4, TAG300

multu \$3, \$3

TAG300:

sub \$4, \$4, \$4

mfhi \$2

Iui \$4, 11

mfhi \$4

TAG301:

Iw \$4, 0(\$4)

sll \$0, \$0, 0

beq \$4, \$4, TAG302

sll \$0, \$0, 0

TAG302:

Iui \$1, 2

multu \$4, \$1

Iui \$1, 12

sII \$0, \$0, 0

TAG303:

sll \$0, \$0, 0

mtlo \$1

mthi \$1

addiu \$3, \$1, 15

TAG304:

sll \$0, \$0, 0

sII \$0, \$0, 0

bgtz \$3, TAG305

Iui \$2, 11

TAG305:

slti \$2, \$2, 10

sllv \$4, \$2, \$2

mult \$2, \$4

multu \$2, \$2

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TAG306:
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bne \$4, \$4, TAG307

mflo \$4

mflo \$3

mflo \$4

TAG307:

sb \$4, 0(\$4)

mult \$4, \$4

multu \$4, \$4

Ib \$1, 0(\$4)

TAG308:

bne \$1, \$1, TAG309

and \$2, \$1, \$1

beg \$1, \$1, TAG309

nor \$3, \$2, \$1

TAG309:

mthi \$3

mflo \$4

addiu \$3, \$3, 12

srlv \$1, \$3, \$3

TAG310:

Iui \$1, 10

mfhi \$3

sll \$0, \$0, 0

sra \$4, \$3, 7

TAG311:

beq \$4, \$4, TAG312

Ibu \$4, 1(\$4)

srlv \$3, \$4, \$4

multu \$4, \$4

TAG312:

div \$3, \$3

divu \$3, \$3

sw \$3, 1(\$3)

beq \$3, \$3, TAG313

TAG313:

andi \$4, \$3, 12

srlv \$3, \$4, \$3

Ib \$4, 0(\$4)

mfhi \$3

TAG314:

sw \$3, 0(\$3)

addiu \$3, \$3, 1

bne \$3, \$3, TAG315

divu \$3, \$3

TAG315:

bne \$3, \$3, TAG316

lui \$4, 4

subu \$4, \$3, \$4

bltz \$4, TAG316

TAG316:

mfhi \$1

Ih \$1, 0(\$1)

Iui \$3, 0

mthi \$1

TAG317:

Ih \$1, 0(\$3)

Iui \$1, 4

srl \$4, \$3, 11

multu \$1, \$3

TAG318:

bgez \$4, TAG319

mult \$4, \$4

sw \$4, 0(\$4)

Iui \$4, 8

TAG319:

bne \$4, \$4, TAG320

mthi \$4

sw \$4, 0 (\$4)

beq \$4, \$4, TAG320

TAG320:

sb \$4, 0(\$4)

mflo \$1

bgez \$4, TAG321

Iui \$3, 12

TAG321:

ori \$1, \$3, 11

Iui \$4, 12

slti \$4, \$3, 9

xor \$3, \$4, \$1

TAG322:

addiu \$2, \$3, 14

Iui \$3, 6

sllv \$4, \$3, \$3

sll \$0, \$0, 0

TAG323:

bne \$3, \$3, TAG324

multu \$3, \$3

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Iui $4, 5
```

sII \$0, \$0, 0

TAG324:

sll \$0, \$0, 0

mfhi \$4

sb \$4, 0(\$4)

mtlo \$4

TAG325:

Iui \$2, 6

bgez \$4, TAG326

addu \$3, \$2, \$2

mtlo \$3

TAG326:

bne \$3, \$3, TAG327

sllv \$2, \$3, \$3

Iui \$1, 6

Iui \$2, 14

TAG327:

sltu \$1, \$2, \$2

mfhi \$4

mthi \$2

blez \$2, TAG328

TAG328:

mthi \$4

multu \$4, \$4

slti \$3, \$4, 9

Iui \$3, 13

TAG329:

mthi \$3

bne \$3, \$3, TAG330

sII \$0, \$0, 0

addu \$3, \$3, \$3

TAG330:

Iui \$1, 3

bgez \$3, TAG331

sII \$0, \$0, 0

sw \$3, 0 (\$3)

TAG331:

sII \$0, \$0, 0

sllv \$4, \$3, \$3

mfhi \$1

mfhi \$2

TAG332:

Iui \$1, 6

sItiu \$3, \$2, 0

beq \$2, \$2, TAG333

Ihu \$4, 0(\$3)

TAG333:

mtlo \$4

mthi \$4

Iui \$1, 11

multu \$4, \$1

TAG334:

bne \$1, \$1, TAG335

mfhi \$3

multu \$1, \$1

subu \$2, \$3, \$3

TAG335:

Ib \$1, 0(\$2)

bne \$1, \$2, TAG336

addu \$1, \$1, \$1

Ih \$3, 0(\$1)

TAG336:

sw \$3, 0 (\$3)

sw \$3, 0(\$3)

mthi \$3

multu \$3, \$3

TAG337:

beq \$3, \$3, TAG338

sra \$2, \$3, 3

and \$4, \$3, \$3

mthi \$4

TAG338:

bltz \$4, TAG339

Iui \$2, 5

mfhi \$2

mtlo \$4

TAG339:

multu \$2, \$2

sltu \$1, \$2, \$2

mfhi \$3

Iui \$4, 15

TAG340:

Iui \$4, 10

div \$4, \$4

sII \$0, \$0, 0

or \$1, \$4, \$4

TAG341:

beq \$1, \$1, TAG342

divu \$1, \$1

sw \$1, 0(\$1)

Iui \$3, 8

TAG342:

mthi \$3

sltiu \$1, \$3, 1

beq \$1, \$3, TAG343

mflo \$2

TAG343:

beq \$2, \$2, TAG344

mtlo \$2

add \$2, \$2, \$2

sw \$2, 0(\$2)

TAG344:

Ibu \$4, 0(\$2)

bgtz \$4, TAG345

Ibu \$2, 0(\$4)

Ihu \$1, 0(\$2)

TAG345:

multu \$1, \$1

addu \$2, \$1, \$1

bgtz \$2, TAG346

mflo \$2

TAG346:

mult \$2, \$2

Ibu \$4, 0(\$2)

mflo \$2

mthi \$4

TAG347:

sh \$2, 0(\$2)

beq \$2, \$2, TAG348

Iui \$1, 11

sltiu \$3, \$1, 3

TAG348:

mtlo \$3

multu \$3, \$3

ori \$1, \$3, 4

sII \$3, \$1, 10

TAG349:

mtlo \$3

Ih \$4, -4096 (\$3)

mthi \$4

ori \$3, \$4, 1

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TAG350:
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beq \$3, \$3, TAG351

mflo \$2

addiu \$2, \$3, 0

mthi \$2

TAG351:

sb \$2, -4096 (\$2)

mtlo \$2

xori \$4, \$2, 9

andi \$3, \$2, 13

TAG352:

mflo \$4

Iui \$2, 15

Iui \$1, 4

slt \$2, \$4, \$2

TAG353:

div \$2, \$2

sb \$2, 0(\$2)

mfhi \$1

nor \$4, \$2, \$2

TAG354:

bgtz \$4, TAG355

or \$4, \$4, \$4

sh \$4, 2(\$4)

andi \$1, \$4, 4

TAG355:

sw \$1, 0(\$1)

mtlo \$1

srl \$3, \$1, 0

Ih \$2, 0(\$1)

TAG356:

mthi \$2

sw \$2, 0(\$2)

ori \$4, \$2, 8

multu \$2, \$2

TAG357:

bne \$4, \$4, TAG358

Iui \$3, 1

sll \$0, \$0, 0

sll \$0, \$0, 0

TAG358:

ori \$3, \$2, 1

sltu \$3, \$3, \$2

sw \$3, 0 (\$2)

mtlo \$3

TAG359:

addu \$4, \$3, \$3

mtlo \$3

sb \$4, 0(\$3)

Iui \$1, 9

TAG360:

div \$1, \$1

beq \$1, \$1, TAG361

subu \$1, \$1, \$1

sh \$1, 0(\$1)

TAG361:

multu \$1, \$1

bne \$1, \$1, TAG362

mfhi \$1

multu \$1, \$1

TAG362:

Iw \$1, 0(\$1)

blez \$1, TAG363

mflo \$1

blez \$1, TAG363

TAG363:

mflo \$3

Ibu \$1, 0(\$1)

Iw \$2, 0(\$1)

mtlo \$1

TAG364:

beq \$2, \$2, TAG365

mfhi \$3

sh \$2, 0(\$2)

slti \$4, \$3, 15

TAG365:

add \$2, \$4, \$4

sb \$4, 0(\$4)

multu \$4, \$2

mfhi \$3

TAG366:

mthi \$3

mfhi \$4

beq \$4, \$3, TAG367

sh \$3, 0(\$3)

TAG367:

beq \$4, \$4, TAG368

mflo \$2

mult \$4, \$2

mthi \$2

TAG368:

nor \$3, \$2, \$2

Iui \$3, 6

mthi \$3

multu \$3, \$2

TAG369:

multu \$3, \$3

addiu \$3, \$3, 10

Iui \$1, 10

mthi \$1

TAG370:

addu \$1, \$1, \$1

srlv \$2, \$1, \$1

sII \$0, \$0, 0

div \$2, \$2

TAG371:

mfhi \$2

xori \$4, \$2, 1

bltz \$2, TAG372

Iw \$2, 0(\$2)

TAG372:

sb \$2, 0(\$2)

bgez \$2, TAG373

sw \$2, 0(\$2)

mthi \$2

TAG373:

beq \$2, \$2, TAG374

sllv \$2, \$2, \$2

multu \$2, \$2

Ibu \$4, 0(\$2)

TAG374:

mflo \$4

subu \$2, \$4, \$4

bne \$4, \$4, TAG375

multu \$2, \$2

TAG375:

and \$1, \$2, \$2

Iui \$3, 4

srav \$1, \$3, \$3

sw \$3, 0 (\$2)

TAG376:

subu \$3, \$1, \$1

ori \$1, \$1, 1

mtlo \$1

beq \$1, \$1, TAG377

TAG377:

xori \$1, \$1, 13

mfhi \$1

beq \$1, \$1, TAG378

srl \$1, \$1, 5

TAG378:

srl \$4, \$1, 3

mfhi \$4

mfhi \$1

bltz \$1, TAG379

TAG379:

multu \$1, \$1

bne \$1, \$1, TAG380

sra \$3, \$1, 9

Iui \$1, 0

TAG380:

Ihu \$2, 0(\$1)

bgez \$1, TAG381

srlv \$1, \$2, \$1

Iui \$2, 0

TAG381:

multu \$2, \$2

beq \$2, \$2, TAG382

addu \$4, \$2, \$2

divu \$2, \$2

TAG382:

Ih \$2, 0(\$4)

Iw \$2, 0(\$4)

bne \$2, \$2, TAG383

sltiu \$2, \$2, 11

TAG383:

Ibu \$2, 0(\$2)

mflo \$2

add \$2, \$2, \$2

bltz \$2, TAG384

TAG384:

mult \$2, \$2

Ihu \$1, 0(\$2)

bltz \$2, TAG385

Ib \$3, 0(\$1)

TAG385:

mthi \$3

mfhi \$1

srav \$2, \$1, \$3

sII \$1, \$1, 8

TAG386:

multu \$1, \$1

Iui \$1, 2

xori \$2, \$1, 12

mult \$1, \$2

TAG387:

sII \$0, \$0, 0

addiu \$4, \$2, 1

sll \$0, \$0, 0

bgez \$2, TAG388

TAG388:

sII \$0, \$0, 0

Iui \$3, 5

bne \$4, \$4, TAG389

addu \$4, \$3, \$2

TAG389:

sII \$0, \$0, 0

mult \$3, \$4

mfhi \$2

Iui \$2, 5

TAG390:

bne \$2, \$2, TAG391

Iui \$3, 8

mfhi \$1

beq \$2, \$2, TAG391

TAG391:

lb \$3, 0(\$1)

Iui \$3, 11

bgez \$3, TAG392

Iui \$1, 0

TAG392:

multu \$1, \$1

sb \$1, 0(\$1)

slti \$4, \$1, 7

Ibu \$2, 0(\$4)

TAG393:

blez \$2, TAG394

Iui \$4, 10

nor \$2, \$4, \$2

bgtz \$2, TAG394

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TAG394:
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sb \$2, 0(\$2)

mult \$2, \$2

bgtz \$2, TAG395

sII \$3, \$2, 11

TAG395:

sllv \$1, \$3, \$3

Ibu \$2, 0(\$1)

beq \$1, \$1, TAG396

sb \$1, 0(\$1)

TAG396:

sw \$2, 0(\$2)

bltz \$2, TAG397

xori \$3, \$2, 4

mtlo \$2

TAG397:

mthi \$3

blez \$3, TAG398

xori \$2, \$3, 12

divu \$2, \$2

TAG398:

mfhi \$1

Iw \$4, 0(\$2)

sw \$4, 0 (\$1)

mtlo \$2

TAG399:

mtlo \$4

sltu \$2, \$4, \$4

mthi \$4

sh \$2, 0(\$2)

TAG400:

Iui \$1, 0

multu \$2, \$2

mult \$2, \$2

sb \$1, 0(\$1)

TAG401:

sw \$1, 0(\$1)

sra \$1, \$1, 3

blez \$1, TAG402

sw \$1, 0(\$1)

TAG402:

sh \$1, 0(\$1)

slti \$3, \$1, 12

Iui \$3, 2

mthi \$1

TAG403:

mtlo \$3

mult \$3, \$3

mthi \$3

srl \$4, \$3, 4

TAG404:

srlv \$2, \$4, \$4

Ibu \$3, -8192 (\$4)

Iui \$1, 0

beq \$1, \$2, TAG405

TAG405:

mtlo \$1

beq \$1, \$1, TAG406

sub \$3, \$1, \$1

mflo \$4

TAG406:

slti \$3, \$4, 15

mtlo \$4

sb \$4, -8192 (\$4)

addiu \$3, \$3, 8

TAG407:

srlv \$2, \$3, \$3

and \$2, \$3, \$3

mflo \$2

sb \$2, -8192 (\$2)

TAG408:

addiu \$4, \$2, 10

or \$3, \$2, \$4

Ib \$3, -8202(\$4)

sw \$2, -8192(\$2)

TAG409:

mthi \$3

sw \$3, 0 (\$3)

mflo \$3

Ih \$3, -8192 (\$3)

TAG410:

mflo \$3

sltiu \$1, \$3, 0

divu \$1, \$3

xor \$4, \$3, \$3

TAG411:

bne \$4, \$4, TAG412

mult \$4, \$4

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Iui $2, 5
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sltiu \$3, \$4, 1

TAG412:

xori \$3, \$3, 12

mfhi \$4

mthi \$3

mtlo \$3

TAG413:

Iw \$3, 0(\$4)

blez \$3, TAG414

mflo \$3

sw \$3, 0 (\$3)

TAG414:

bne \$3, \$3, TAG415

addu \$2, \$3, \$3

blez \$3, TAG415

Iui \$3, 3

TAG415:

nor \$3, \$3, \$3

bgez \$3, TAG416

div \$3, \$3

mult \$3, \$3

TAG416:

beq \$3, \$3, TAG417

and \$1, \$3, \$3

sllv \$3, \$1, \$3

sII \$3, \$3, 11

TAG417:

mfhi \$4

bgtz \$4, TAG418

slti \$2, \$4, 15

bne \$3, \$4, TAG418

TAG418:

mtlo \$2

bne \$2, \$2, TAG419

Ibu \$1, 0(\$2)

mult \$2, \$1

TAG419:

Ibu \$2, 0(\$1)

mfhi \$2

Iui \$3, 2

Iui \$1, 4

TAG420:

bne \$1, \$1, TAG421

and \$4, \$1, \$1

mthi \$4

Iui \$1, 6

TAG421:

mthi \$1

sll \$0, \$0, 0

subu \$2, \$1, \$4

slti \$1, \$1, 6

TAG422:

bne \$1, \$1, TAG423

mfhi \$1

sII \$0, \$0, 0

sltiu \$3, \$1, 3

TAG423:

Ibu \$2, 0(\$3)

Ih \$4, 0(\$2)

mflo \$3

beq \$2, \$3, TAG424

TAG424:

sw \$3, 0 (\$3)

bne \$3, \$3, TAG425

Iui \$4, 0

mflo \$3

TAG425:

lui \$4, 15

mthi \$4

mtlo \$3

bgtz \$3, TAG426

TAG426:

divu \$4, \$4

srav \$1, \$4, \$4

nor \$2, \$1, \$4

mflo \$1

TAG427:

sb \$1, 0(\$1)

Iui \$4, 8

bne \$1, \$1, TAG428

sra \$3, \$4, 13

TAG428:

beq \$3, \$3, TAG429

mthi \$3

bgtz \$3, TAG429

Iw \$2, 0(\$3)

TAG429:

sII \$0, \$0, 0

blez \$4, TAG430

Iui \$4, 15

divu \$4, \$4

TAG430:

addu \$3, \$4, \$4

sII \$0, \$0, 0

sII \$0, \$0, 0

mflo \$4

TAG431:

sltiu \$4, \$4, 11

mfhi \$3

mflo \$2

xori \$1, \$4, 14

TAG432:

bne \$1, \$1, TAG433

Iui \$4, 7

Iui \$4, 15

lb \$1, 0(\$1)

TAG433:

xor \$2, \$1, \$1

beq \$2, \$2, TAG434

mtlo \$2

sll \$1, \$2, 9

TAG434:

mthi \$1

mthi \$1

ori \$4, \$1, 14

multu \$4, \$1

TAG435:

subu \$1, \$4, \$4

bne \$1, \$4, TAG436

Iui \$3, 0

ori \$4, \$3, 15

TAG436:

Ibu \$1, 0(\$4)

mthi \$4

lb \$4, 0(\$4)

div \$4, \$4

TAG437:

beq \$4, \$4, TAG438

Ib \$1, 0(\$4)

multu \$4, \$1

bne \$1, \$1, TAG438

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TAG438:
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srav \$4, \$1, \$1

mtlo \$1

Ibu \$2, 0(\$4)

xori \$4, \$4, 13

TAG439:

Iui \$3, 0

beq \$4, \$4, TAG440

Iui \$2, 1

Iw \$1, 0(\$3)

TAG440:

mthi \$1

sb \$1, 0(\$1)

mflo \$1

mtlo \$1

TAG441:

xori \$3, \$1, 14

xor \$3, \$1, \$1

bltz \$3, TAG442

mult \$3, \$1

TAG442:

mflo \$3

multu \$3, \$3

mtlo \$3

sw \$3, 0(\$3)

TAG443:

Iui \$2, 4

addi \$1, \$3, 7

Ihu \$1, 0(\$3)

sh \$3, 0(\$1)

TAG444:

mfhi \$2

mthi \$2

Ibu \$4, 0(\$1)

mtlo \$4

TAG445:

sb \$4, 0(\$4)

sltiu \$3, \$4, 14

lui \$4, 0

sllv \$1, \$4, \$3

TAG446:

mfhi \$1

mtlo \$1

mthi \$1

Iui \$3, 5

TAG447:

mult \$3, \$3

addu \$2, \$3, \$3

sll \$0, \$0, 0

mult \$2, \$2

TAG448:

mthi \$2

bltz \$2, TAG449

sII \$0, \$0, 0

sII \$0, \$0, 0

TAG449:

sll \$0, \$0, 0

srav \$4, \$2, \$2

sll \$0, \$0, 0

div \$2, \$2

TAG450:

beq \$4, \$4, TAG451

mult \$4, \$4

nor \$4, \$4, \$4

sw \$4, 0 (\$4)

TAG451:

Iui \$1, 8

mtlo \$1

divu \$4, \$4

sII \$0, \$0, 0

TAG452:

bgez \$1, TAG453

Iui \$2, 12

mflo \$2

mflo \$1

TAG453:

sllv \$1, \$1, \$1

sII \$0, \$0, 0

Iui \$1, 0

Ibu \$4, 0(\$1)

TAG454:

mflo \$3

Ib \$4, 0(\$3)

bgtz \$3, TAG455

mtlo \$3

TAG455:

mthi \$4

sw \$4, 0 (\$4)

beq \$4, \$4, TAG456

mfhi \$1

TAG456:

beq \$1, \$1, TAG457

mflo \$2

sb \$2, 0(\$2)

beq \$1, \$2, TAG457

TAG457:

sb \$2, 0(\$2)

blez \$2, TAG458

Iui \$1, 7

mfhi \$1

TAG458:

mflo \$4

Ibu \$1, 0(\$1)

Iui \$1, 6

Iui \$4, 13

TAG459:

bgez \$4, TAG460

sra \$4, \$4, 6

Ib \$2, 0(\$4)

mthi \$4

TAG460:

divu \$2, \$2

sra \$3, \$2, 0

sb \$2, 0(\$3)

mtlo \$2

TAG461:

Ib \$4, 0(\$3)

Iui \$4, 8

bgez \$3, TAG462

multu \$4, \$4

TAG462:

sII \$0, \$0, 0

beq \$4, \$4, TAG463

sll \$0, \$0, 0

div \$4, \$2

TAG463:

mtlo \$2

bgez \$2, TAG464

multu \$2, \$2

blez \$2, TAG464

TAG464:

lb \$1, 0(\$2)

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Iui $4, 8
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bgez \$2, TAG465

divu \$4, \$4

TAG465:

xori \$3, \$4, 9

Iui \$3, 4

sII \$0, \$0, 0

Iui \$4, 8

TAG466:

bgtz \$4, TAG467

mfhi \$4

mthi \$4

divu \$4, \$4

TAG467:

sb \$4, 0(\$4)

Iui \$3, 2

subu \$4, \$3, \$3

Iui \$4, 14

TAG468:

mflo \$4

bne \$4, \$4, TAG469

sb \$4, 0(\$4)

lui \$4, 13

TAG469:

mult \$4, \$4

divu \$4, \$4

mthi \$4

ori \$4, \$4, 6

TAG470:

sII \$0, \$0, 0

bne \$4, \$4, TAG471

addiu \$4, \$4, 4

bltz \$4, TAG471

TAG471:

sIt \$3, \$4, \$4

sll \$0, \$0, 0

mfhi \$4

Iui \$4, 14

TAG472:

sll \$0, \$0, 0

mtlo \$4

div \$4, \$4

sII \$0, \$0, 0

TAG473:

bne \$4, \$4, TAG474

lui \$3, 9

sll \$0, \$0, 0

bgez \$3, TAG474

TAG474:

mflo \$3

Iui \$4, 6

sltu \$3, \$4, \$3

mult \$3, \$4

TAG475:

multu \$3, \$3

mult \$3, \$3

ori \$3, \$3, 3

Iui \$2, 5

TAG476:

sII \$0, \$0, 0

beq \$2, \$2, TAG477

Iui \$3, 13

beq \$3, \$2, TAG477

TAG477:

divu \$3, \$3

bne \$3, \$3, TAG478

sII \$2, \$3, 6

slti \$4, \$3, 5

TAG478:

multu \$4, \$4

bne \$4, \$4, TAG479

sb \$4, 0(\$4)

multu \$4, \$4

TAG479:

Ih \$4, 0(\$4)

mfhi \$4

slti \$3, \$4, 1

mult \$4, \$4

TAG480:

bne \$3, \$3, TAG481

Iui \$3, 13

sll \$0, \$0, 0

beq \$3, \$3, TAG481

TAG481:

divu \$3, \$3

sII \$0, \$0, 0

blez \$4, TAG482

addiu \$2, \$3, 0

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TAG482:
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beq \$2, \$2, TAG483

sII \$0, \$0, 0

bne \$2, \$2, TAG483

Iui \$4, 1

TAG483:

sb \$4, 0(\$4)

add \$1, \$4, \$4

beq \$4, \$1, TAG484

mthi \$1

TAG484:

mthi \$1

Iw \$1, 0(\$1)

sh \$1, -256(\$1)

Iui \$1, 3

TAG485:

sll \$0, \$0, 0

slti \$1, \$1, 10

Ihu \$2, 0(\$1)

mfhi \$3

TAG486:

bne \$3, \$3, TAG487

Ibu \$1, 0(\$3)

Iui \$1, 6

mflo \$3

TAG487:

bne \$3, \$3, TAG488

sb \$3, 0(\$3)

subu \$3, \$3, \$3

mfhi \$4

TAG488:

Iui \$3, 12

mthi \$4

mfhi \$1

bltz \$4, TAG489

TAG489:

mfhi \$2

mflo \$3

divu \$2, \$3

mult \$1, \$1

TAG490:

mthi \$3

blez \$3, TAG491

divu \$3, \$3

addu \$1, \$3, \$3

TAG491:

bne \$1, \$1, TAG492

mult \$1, \$1

and \$4, \$1, \$1

Ih \$2, 0(\$1)

TAG492:

sb \$2, 0(\$2)

sb \$2, 0(\$2)

beq \$2, \$2, TAG493

multu \$2, \$2

TAG493:

mfhi \$1

blez \$2, TAG494

srav \$1, \$1, \$1

srav \$4, \$1, \$1

TAG494:

mthi \$4

Iui \$2, 15

Iui \$3, 6

Iui \$1, 14

TAG495:

sItu \$1, \$1, \$1

srl \$1, \$1, 8

multu \$1, \$1

sw \$1, 0(\$1)

TAG496:

Iui \$4, 10

Ib \$2, 0(\$1)

mthi \$2

mtlo \$1

TAG497:

mthi \$2

sltiu \$1, \$2, 1

mfhi \$2

sb \$1, 0(\$1)

TAG498:

sh \$2, 0(\$2)

mult \$2, \$2

andi \$1, \$2, 4

bne \$2, \$2, TAG499

TAG499:

Iw \$2, 0(\$1)

sIt \$1, \$2, \$1

mtlo \$2

mthi \$2

TAG500:

bgez \$1, TAG501

mfhi \$1

bgtz \$1, TAG501

lui \$2, 9

TAG501:

xor \$2, \$2, \$2

mflo \$2

addiu \$1, \$2, 8

sII \$1, \$2, 14

TAG502:

Ib \$4, 0(\$1)

addu \$3, \$4, \$1

sIt \$2, \$4, \$4

lb \$3, 0(\$3)

TAG503:

Iui \$4, 15

Iui \$2, 9

Iui \$2, 12

sII \$0, \$0, 0

TAG504:

Iui \$2, 6

bgtz \$2, TAG505

div \$2, \$2

Ih \$1, 0(\$2)

TAG505:

beq \$1, \$1, TAG506

Iw \$3, 0(\$1)

beq \$1, \$1, TAG506

Ih \$4, 0(\$1)

TAG506:

addu \$3, \$4, \$4

bne \$3, \$4, TAG507

mult \$4, \$4

divu \$3, \$4

TAG507:

bgtz \$3, TAG508

xori \$2, \$3, 12

multu \$2, \$2

beq \$2, \$3, TAG508

TAG508:

ori \$3, \$2, 12

sII \$0, \$0, 0

bltz \$3, TAG509

Iui \$3, 4

TAG509:

mfhi \$4

Iui \$2, 4

addu \$3, \$4, \$2

beq \$3, \$3, TAG510

TAG510:

sll \$0, \$0, 0

sh \$3, 0(\$1)

Ihu \$1, 0(\$1)

bne \$1, \$1, TAG511

TAG511:

srav \$3, \$1, \$1

mthi \$1

mtlo \$1

lui \$4, 1

TAG512:

mflo \$1

Iui \$3, 9

srlv \$4, \$4, \$4

bltz \$1, TAG513

TAG513:

sll \$0, \$0, 0

blez \$4, TAG514

or \$3, \$4, \$4

divu \$3, \$3

TAG514:

sII \$0, \$0, 0

div \$3, \$3

mthi \$3

blez \$3, TAG515

TAG515:

mtlo \$3

addiu \$1, \$3, 4

sII \$0, \$0, 0

sII \$0, \$0, 0

TAG516:

blez \$3, TAG517

mfhi \$1

sItu \$2, \$1, \$1

Iui \$3, 6

TAG517:

sll \$0, \$0, 0

bltz \$3, TAG518

sll \$0, \$0, 0

bne \$4, \$3, TAG518

TAG518:

slti \$1, \$4, 9

nor \$2, \$4, \$4

mfhi \$2

mthi \$2

TAG519:

sll \$0, \$0, 0

mthi \$2

blez \$2, TAG520

sII \$0, \$0, 0

TAG520:

Iw \$3, 0(\$1)

mflo \$2

bne \$2, \$1, TAG521

divu \$3, \$3

TAG521:

mthi \$2

mtlo \$2

mthi \$2

lui \$4, 6

TAG522:

bltz \$4, TAG523

sII \$0, \$0, 0

sll \$0, \$0, 0

mthi \$4

TAG523:

mtlo \$2

mfhi \$2

srl \$4, \$2, 0

bltz \$2, TAG524

TAG524:

Iui \$1, 0

bltz \$4, TAG525

multu \$4, \$4

Iui \$2, 15

TAG525:

beq \$2, \$2, TAG526

Iui \$4, 11

slt \$3, \$4, \$2

bgtz \$4, TAG526

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TAG526:
```

mthi \$3

sb \$3, -225 (\$3)

sltiu \$2, \$3, 14

nor \$4, \$2, \$3

TAG527:

sb \$4, 226(\$4)

mflo \$2

Ihu \$4, 0(\$2)

mtlo \$4

TAG528:

Iui \$3, 5

mthi \$4

sh \$3, 0(\$4)

divu \$3, \$3

TAG529:

Iui \$3, 12

bne \$3, \$3, TAG530

Iui \$2, 4

beq \$3, \$2, TAG530

TAG530:

sll \$0, \$0, 0

sII \$2, \$2, 3

sll \$0, \$0, 0

multu \$2, \$1

TAG531:

srav \$3, \$1, \$1

bgez \$3, TAG532

multu \$3, \$3

Ib \$3, 0(\$3)

TAG532:

mfhi \$1

mult \$3, \$3

mfhi \$2

Ib \$2, 0(\$1)

TAG533:

mfhi \$4

Iui \$3, 2

bne \$2, \$2, TAG534

mult \$3, \$2

TAG534:

mthi \$3

bltz \$3, TAG535

mfhi \$2

bltz \$2, TAG535

TAG535:

sII \$2, \$2, 9

Iui \$1, 6

and \$3, \$2, \$2

mult \$2, \$2

TAG536:

or \$3, \$3, \$3

divu \$3, \$3

nor \$1, \$3, \$3

addiu \$4, \$1, 0

TAG537:

mult \$4, \$4

sII \$0, \$0, 0

mfhi \$2

bgtz \$4, TAG538

TAG538:

sll \$0, \$0, 0

Iui \$1, 5

sra \$4, \$2, 2

addiu \$4, \$1, 9

TAG539:

sII \$0, \$0, 0

sII \$0, \$0, 0

div \$4, \$3

subu \$2, \$4, \$3

TAG540:

srlv \$1, \$2, \$2

sII \$0, \$0, 0

sra \$1, \$1, 5

bne \$1, \$1, TAG541

TAG541:

Iui \$1, 14

mthi \$1

srl \$3, \$1, 0

subu \$2, \$3, \$1

TAG542:

nor \$3, \$2, \$2

Iui \$1, 13

sw \$1, 1(\$3)

mtlo \$3

TAG543:

sII \$0, \$0, 0

bltz \$1, TAG544

sll \$0, \$0, 0

mthi \$4

TAG544:

andi \$1, \$4, 14

bne \$1, \$1, TAG545

mtlo \$4

srl \$2, \$1, 7

TAG545:

bgtz \$2, TAG546

Ib \$1, 0(\$2)

blez \$1, TAG546

mflo \$3

TAG546:

srlv \$2, \$3, \$3

addu \$3, \$3, \$2

blez \$2, TAG547

sII \$0, \$0, 0

TAG547:

mult \$3, \$3

mult \$3, \$3

srav \$3, \$3, \$3

mfhi \$1

TAG548:

Ib \$2, 0(\$1)

mflo \$1

sll \$0, \$0, 0

ori \$2, \$2, 4

TAG549:

Iui \$4, 13

bgtz \$4, TAG550

sb \$4, 0(\$2)

sw \$2, 0(\$2)

TAG550:

beq \$4, \$4, TAG551

mfhi \$2

mtlo \$4

multu \$2, \$4

TAG551:

sb \$2, 0(\$2)

mthi \$2

mtlo \$2

mflo \$4

TAG552:

Iui \$4, 12

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and $3, $4, $4
```

addu \$4, \$3, \$3

bgtz \$4, TAG553

TAG553:

sII \$0, \$0, 0

sll \$0, \$0, 0

mtlo \$2

mfhi \$1

TAG554:

sb \$1, 0(\$1)

sb \$1, 0(\$1)

subu \$3, \$1, \$1

beq \$3, \$3, TAG555

TAG555:

Ih \$3, 0(\$3)

sh \$3, 0(\$3)

Iui \$4, 1

sll \$0, \$0, 0

TAG556:

sll \$0, \$0, 0

Iui \$4, 8

addu \$2, \$4, \$4

mflo \$1

TAG557:

bne \$1, \$1, TAG558

divu \$1, \$1

subu \$1, \$1, \$1

mult \$1, \$1

TAG558:

mtlo \$1

bltz \$1, TAG559

mult \$1, \$1

bgtz \$1, TAG559

TAG559:

multu \$1, \$1

Ih \$2, 0(\$1)

mfhi \$4

addiu \$2, \$4, 11

TAG560:

mtlo \$2

mflo \$2

sb \$2, 0(\$2)

Iui \$2, 8

TAG561:

mtlo \$2

addiu \$4, \$2, 4

and \$2, \$4, \$2

mflo \$4

TAG562:

Iui \$2, 8

bne \$4, \$2, TAG563

mflo \$1

sll \$0, \$0, 0

TAG563:

Iui \$3, 0

slti \$3, \$3, 4

multu \$3, \$1

blez \$1, TAG564

TAG564:

sb \$3, 0(\$3)

srl \$3, \$3, 4

xori \$4, \$3, 13

mthi \$3

TAG565:

srl \$2, \$4, 9

sb \$2, 0(\$4)

Ib \$4, 0(\$4)

Iui \$2, 5

TAG566:

mflo \$4

multu \$4, \$4

mfhi \$3

bne \$2, \$3, TAG567

TAG567:

sllv \$2, \$3, \$3

multu \$2, \$3

sw \$3, 0(\$2)

Iui \$4, 10

TAG568:

mthi \$4

Iui \$2, 2

mflo \$2

divu \$2, \$2

TAG569:

beq \$2, \$2, TAG570

and \$3, \$2, \$2

srlv \$3, \$2, \$3

nor \$4, \$3, \$2

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TAG570:
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mtlo \$4

bne \$4, \$4, TAG571

mfhi \$4

Ibu \$4, 0(\$4)

TAG571:

mthi \$4

addi \$2, \$4, 7

Iui \$4, 6

mthi \$2

TAG572:

addiu \$4, \$4, 14

mfhi \$3

Iui \$3, 6

mtlo \$4

TAG573:

mthi \$3

mtlo \$3

xori \$3, \$3, 1

sIt \$1, \$3, \$3

TAG574:

sb \$1, 0(\$1)

Iui \$2, 4

Iui \$3, 7

beq \$3, \$1, TAG575

TAG575:

Iui \$1, 7

mthi \$3

bne \$3, \$1, TAG576

sIIv \$2, \$3, \$3

TAG576:

sll \$0, \$0, 0

bne \$2, \$2, TAG577

mfhi \$3

addiu \$1, \$2, 9

TAG577:

sII \$4, \$1, 10

mtlo \$1

sra \$2, \$1, 0

bne \$2, \$1, TAG578

TAG578:

mfhi \$2

sII \$0, \$0, 0

mult \$2, \$2

mfhi \$1

TAG579:

sb \$1, 0(\$1)

bne \$1, \$1, TAG580

Iui \$2, 0

slti \$1, \$2, 6

TAG580:

mfhi \$2

bne \$1, \$2, TAG581

srl \$1, \$1, 9

bgtz \$1, TAG581

TAG581:

Iui \$2, 3

multu \$2, \$1

bltz \$1, TAG582

mthi \$1

TAG582:

sll \$0, \$0, 0

beq \$2, \$2, TAG583

sII \$0, \$0, 0

mfhi \$2

TAG583:

nor \$1, \$2, \$2

bltz \$2, TAG584

addu \$1, \$1, \$2

Iui \$2, 10

TAG584:

slt \$3, \$2, \$2

mult \$2, \$3

Iui \$1, 11

mtlo \$3

TAG585:

divu \$1, \$1

divu \$1, \$1

bgtz \$1, TAG586

multu \$1, \$1

TAG586:

mult \$1, \$1

sII \$0, \$0, 0

mult \$1, \$4

blez \$1, TAG587

TAG587:

sII \$0, \$0, 0

sll \$0, \$0, 0

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srl $1, $4, 9
```

beq \$1, \$1, TAG588

TAG588:

mfhi \$2

mtlo \$1

mtlo \$2

beq \$1, \$1, TAG589

TAG589:

mtlo \$2

bne \$2, \$2, TAG590

sltiu \$4, \$2, 1

Ih \$3, 0(\$4)

TAG590:

sb \$3, -256 (\$3)

Iui \$2, 2

mflo \$4

srlv \$2, \$2, \$3

TAG591:

mfhi \$4

beq \$4, \$2, TAG592

sltiu \$4, \$4, 13

mtlo \$2

TAG592:

beq \$4, \$4, TAG593

sllv \$1, \$4, \$4

blez \$1, TAG593

mtlo \$4

TAG593:

bltz \$1, TAG594

mthi \$1

sb \$1, 0(\$1)

mult \$1, \$1

TAG594:

sltu \$2, \$1, \$1

mthi \$2

sh \$1, 0(\$2)

mflo \$4

TAG595:

or \$1, \$4, \$4

sb \$1, 0(\$1)

Ihu \$1, 0(\$1)

sltiu \$2, \$1, 3

TAG596:

mthi \$2

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lb $1, 0($2)
```

addu \$3, \$2, \$1

sltu \$2, \$3, \$3

TAG597:

sb \$2, 0(\$2)

mflo \$4

xori \$2, \$4, 11

srlv \$2, \$2, \$2

TAG598:

Iui \$3, 9

sltu \$2, \$3, \$2

mfhi \$2

Ib \$1, 0(\$2)

TAG599:

mflo \$1

sw \$1, 0(\$1)

bne \$1, \$1, TAG600

mtlo \$1

TAG600:

Iui \$3, 12

srlv \$1, \$1, \$1

mflo \$2

mthi \$1

TAG601:

Iui \$3, 4

mflo \$4

beq \$3, \$3, TAG602

sll \$0, \$0, 0

TAG602:

Iui \$3, 0

bltz \$4, TAG603

sw \$3, 0 (\$3)

Iui \$2, 14

TAG603:

mfhi \$4

div \$4, \$2

sw \$4, 0 (\$4)

sII \$0, \$0, 0

TAG604:

mfhi \$2

mflo \$3

mult \$2, \$3

xori \$3, \$4, 4

TAG605:

sw \$3, 0(\$3)

xor \$4, \$3, \$3

sltiu \$3, \$4, 12

Ihu \$2, 0(\$4)

TAG606:

sub \$4, \$2, \$2

mfhi \$1

sh \$4, 0(\$2)

sltiu \$4, \$2, 8

TAG607:

bgtz \$4, TAG608

mflo \$4

blez \$4, TAG608

Iui \$3, 4

TAG608:

Ibu \$3, 0(\$3)

sb \$3, 0(\$3)

bgez \$3, TAG609

Ib \$3, 0(\$3)

TAG609:

bltz \$3, TAG610

mult \$3, \$3

sh \$3, 0(\$3)

Iw \$2, 0(\$3)

TAG610:

blez \$2, TAG611

mtlo \$2

bne \$2, \$2, TAG611

slti \$3, \$2, 8

TAG611:

mflo \$4

mfhi \$1

slti \$4, \$3, 13

bne \$4, \$4, TAG612

TAG612:

multu \$4, \$4

Ibu \$4, 0(\$4)

srl \$3, \$4, 4

multu \$4, \$4

TAG613:

mthi \$3

and \$3, \$3, \$3

Iui \$2, 14

blez \$3, TAG614

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TAG614:
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sllv \$2, \$2, \$2

sII \$0, \$0, 0

sll \$0, \$0, 0

mflo \$4

TAG615:

Ih \$3, 0(\$4)

Ih \$4, 0(\$3)

Iui \$1, 8

bgtz \$4, TAG616

TAG616:

mult \$1, \$1

beq \$1, \$1, TAG617

mthi \$1

Ibu \$1, 0(\$1)

TAG617:

bne \$1, \$1, TAG618

sll \$0, \$0, 0

sll \$0, \$0, 0

sll \$0, \$0, 0

TAG618:

multu \$4, \$4

lui \$4, 4

blez \$4, TAG619

mfhi \$4

TAG619:

mflo \$2

Ihu \$2, 0(\$4)

sh \$4, 0(\$2)

mthi \$2

TAG620:

sb \$2, 0(\$2)

xori \$4, \$2, 14

beq \$4, \$2, TAG621

sw \$2, 0(\$2)

TAG621:

Iui \$2, 6

srlv \$2, \$4, \$4

beq \$2, \$2, TAG622

mfhi \$3

TAG622:

Iui \$1, 5

bgez \$1, TAG623

sII \$0, \$0, 0

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bne $1, $1, TAG623
```

TAG623:

Iui \$4, 10

Iui \$2, 11

and \$2, \$4, \$2

mthi \$2

TAG624:

sra \$1, \$2, 12

Iui \$4, 2

mflo \$3

srav \$4, \$4, \$2

TAG625:

Iui \$4, 12

div \$4, \$4

blez \$4, TAG626

sll \$0, \$0, 0

TAG626:

mtlo \$4

lui \$1, 9

bltz \$1, TAG627

srav \$1, \$1, \$1

TAG627:

divu \$1, \$1

mtlo \$1

sll \$0, \$0, 0

mfhi \$2

TAG628:

sh \$2, 0(\$2)

mfhi \$4

beq \$4, \$4, TAG629

Iw \$2, 0(\$2)

TAG629:

Iui \$2, 0

beq \$2, \$2, TAG630

mult \$2, \$2

sw \$2, 0(\$2)

TAG630:

and \$1, \$2, \$2

mflo \$1

sllv \$4, \$1, \$1

Iui \$1, 6

TAG631:

sII \$0, \$0, 0

blez \$1, TAG632

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Iui $1, 15
```

beq \$1, \$1, TAG632

TAG632:

mflo \$3

div \$3, \$1

sra \$1, \$3, 13

sw \$1, 0(\$1)

TAG633:

multu \$1, \$1

Iui \$3, 0

ori \$2, \$1, 9

Ihu \$1, 0(\$3)

TAG634:

add \$2, \$1, \$1

multu \$1, \$1

mflo \$1

mthi \$2

TAG635:

multu \$1, \$1

sb \$1, 0(\$1)

sw \$1, 0(\$1)

srl \$4, \$1, 5

TAG636:

sII \$4, \$4, 14

addiu \$1, \$4, 5

mtlo \$4

bgtz \$4, TAG637

TAG637:

sllv \$2, \$1, \$1

mtlo \$1

addiu \$4, \$1, 6

bltz \$2, TAG638

TAG638:

srl \$2, \$4, 7

sh \$2, 0(\$2)

sb \$2, 0(\$4)

beq \$2, \$2, TAG639

TAG639:

multu \$2, \$2

Iui \$4, 9

bgtz \$4, TAG640

Iui \$1, 9

TAG640:

sll \$0, \$0, 0

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mflo $4
```

bltz \$1, TAG641

srav \$1, \$4, \$4

TAG641:

Ihu \$1, 0(\$1)

addi \$1, \$1, 14

mtlo \$1

multu \$1, \$1

TAG642:

sltu \$3, \$1, \$1

lui \$4, 7

Iui \$2, 2

sltu \$1, \$1, \$2

TAG643:

div \$1, \$1

mthi \$1

bne \$1, \$1, TAG644

mflo \$4

TAG644:

sra \$1, \$4, 0

sb \$1, 0(\$1)

sb \$4, 0(\$4)

lui \$4, 10

TAG645:

div \$4, \$4

sll \$0, \$0, 0

bltz \$2, TAG646

mult \$4, \$4

TAG646:

multu \$2, \$2

addu \$2, \$2, \$2

divu \$2, \$2

bgez \$2, TAG647

TAG647:

mtlo \$2

divu \$2, \$2

Iui \$1, 1

mthi \$2

TAG648:

mflo \$4

mult \$1, \$1

bne \$4, \$1, TAG649

mtlo \$1

TAG649:

mult \$4, \$4

bne \$4, \$4, TAG650

Ibu \$3, 0(\$4)

bltz \$3, TAG650

TAG650:

lb \$3, 0(\$3)

mflo \$4

sb \$3, 0(\$3)

blez \$3, TAG651

TAG651:

divu \$4, \$4

and \$3, \$4, \$4

Ib \$2, 0(\$3)

sb \$4, 0(\$2)

TAG652:

mflo \$3

divu \$3, \$3

divu \$3, \$2

sllv \$4, \$2, \$2

TAG653:

srl \$1, \$4, 6

Ibu \$3, 0(\$4)

sltiu \$1, \$3, 2

sb \$4, 0(\$4)

TAG654:

bltz \$1, TAG655

sra \$3, \$1, 6

mult \$3, \$1

addi \$2, \$3, 9

TAG655:

mthi \$2

beq \$2, \$2, TAG656

sb \$2, 0(\$2)

blez \$2, TAG656

TAG656:

srlv \$4, \$2, \$2

mflo \$1

Iw \$4, 0(\$4)

mult \$4, \$4

TAG657:

mfhi \$4

multu \$4, \$4

bne \$4, \$4, TAG658

Ihu \$3, 0(\$4)

TAG658:

mflo \$3

xor \$3, \$3, \$3

sltu \$3, \$3, \$3

addiu \$4, \$3, 2

TAG659:

subu \$3, \$4, \$4

mult \$4, \$4

mfhi \$2

bgtz \$4, TAG660

TAG660:

multu \$2, \$2

Thu \$3, 0(\$2)

sIti \$4, \$3, 1

Ib \$1, 0(\$2)

TAG661:

multu \$1, \$1

sIt \$2, \$1, \$1

sb \$1, 0(\$1)

subu \$1, \$1, \$1

TAG662:

mthi \$1

lui \$4, 7

mflo \$1

sll \$0, \$0, 0

TAG663:

sh \$1, 0(\$1)

xori \$4, \$1, 0

mfhi \$3

beq \$3, \$4, TAG664

TAG664:

ori \$1, \$3, 1

Iui \$2, 7

Iui \$4, 5

div \$3, \$1

TAG665:

Iui \$4, 0

and \$1, \$4, \$4

Iw \$3, 0(\$4)

bgtz \$4, TAG666

TAG666:

mult \$3, \$3

bgtz \$3, TAG667

addiu \$1, \$3, 14

beq \$3, \$1, TAG667

TAG667:

mtlo \$1

beq \$1, \$1, TAG668

sII \$2, \$1, 10

sh \$2, 0(\$2)

TAG668:

Iui \$2, 4

sll \$0, \$0, 0

bgtz \$2, TAG669

ori \$3, \$2, 8

TAG669:

bgtz \$3, TAG670

mtlo \$3

bgez \$3, TAG670

sub \$2, \$3, \$3

TAG670:

addiu \$3, \$2, 2

Iui \$3, 9

sII \$0, \$0, 0

blez \$3, TAG671

TAG671:

Iw \$1, 0(\$4)

beq \$1, \$1, TAG672

sra \$2, \$4, 4

srl \$2, \$1, 2

TAG672:

sb \$2, 0(\$2)

bne \$2, \$2, TAG673

sllv \$1, \$2, \$2

Iw \$4, 0(\$2)

TAG673:

mthi \$4

Iui \$2, 3

sll \$0, \$0, 0

mult \$4, \$2

TAG674:

sllv \$2, \$3, \$3

andi \$3, \$3, 2

Iui \$1, 11

bltz \$2, TAG675

TAG675:

mfhi \$3

sll \$3, \$3, 2

divu \$3, \$3

beq \$1, \$3, TAG676

TAG676:

div \$3, \$3

beq \$3, \$3, TAG677

divu \$3, \$3

bne \$3, \$3, TAG677

TAG677:

Iw \$4, 0(\$3)

bne \$3, \$3, TAG678

ori \$4, \$3, 1

mflo \$3

TAG678:

bgez \$3, TAG679

mult \$3, \$3

multu \$3, \$3

Iw \$4, 0(\$3)

TAG679:

sltu \$4, \$4, \$4

bltz \$4, TAG680

Ihu \$3, 0(\$4)

beq \$4, \$3, TAG680

TAG680:

Iui \$4, 2

Ibu \$2, 0(\$3)

bltz \$4, TAG681

addiu \$2, \$2, 10

TAG681:

bne \$2, \$2, TAG682

mult \$2, \$2

bltz \$2, TAG682

Ih \$1, 0(\$2)

TAG682:

mtlo \$1

beg \$1, \$1, TAG683

addu \$2, \$1, \$1

bltz \$2, TAG683

TAG683:

mtlo \$2

mthi \$2

blez \$2, TAG684

srl \$3, \$2, 13

TAG684:

lb \$3, 0(\$3)

```
beq $3, $3, TAG685
```

xori \$4, \$3, 12

sb \$4, 0(\$3)

TAG685:

Iui \$3, 8

bgez \$3, TAG686

Iui \$2, 2

div \$2, \$3

TAG686:

Iui \$2, 4

sII \$0, \$0, 0

subu \$1, \$2, \$2

mthi \$2

TAG687:

xori \$4, \$1, 7

div \$1, \$4

Ibu \$4, 0(\$4)

mult \$4, \$1

TAG688:

mthi \$4

srl \$2, \$4, 6

bne \$4, \$4, TAG689

addiu \$1, \$2, 0

TAG689:

beg \$1, \$1, TAG690

mthi \$1

mtlo \$1

bne \$1, \$1, TAG690

TAG690:

mult \$1, \$1

sub \$3, \$1, \$1

srlv \$4, \$3, \$3

add \$4, \$4, \$1

TAG691:

sb \$4, 0(\$4)

bgtz \$4, TAG692

mtlo \$4

bgez \$4, TAG692

TAG692:

mfhi \$1

mtlo \$4

bltz \$4, TAG693

mthi \$4

TAG693:

```
mflo $3
```

mtlo \$1

Iui \$1, 14

mtlo \$3

TAG694:

sra \$1, \$1, 7

Ihu \$2, -7168(\$1)

mult \$1, \$2

addi \$1, \$2, 10

TAG695:

Ibu \$1, 0(\$1)

mfhi \$4

slti \$3, \$1, 11

sltiu \$1, \$3, 6

TAG696:

beq \$1, \$1, TAG697

Ibu \$2, 0(\$1)

mfhi \$1

sltiu \$4, \$1, 3

TAG697:

blez \$4, TAG698

Ib \$1, 0(\$4)

Iui \$1, 6

sllv \$2, \$1, \$4

TAG698:

srav \$3, \$2, \$2

Ih \$1, 0(\$3)

Ibu \$1, 0(\$3)

slti \$1, \$2, 12

TAG699:

Iui \$3, 3

mflo \$4

mtlo \$4

sIt \$1, \$4, \$4

TAG700:

sra \$1, \$1, 14

srav \$1, \$1, \$1

mflo \$1

Ihu \$4, 0(\$1)

TAG701:

bne \$4, \$4, TAG702

Ib \$2, 0(\$4)

sb \$2, 0(\$2)

mthi \$4

```
TAG702:
```

Iui \$2, 3

mtlo \$2

Iui \$1, 14

mthi \$1

TAG703:

and \$3, \$1, \$1

sll \$0, \$0, 0

sII \$0, \$0, 0

sII \$0, \$0, 0

TAG704:

mflo \$1

Iui \$1, 6

multu \$2, \$1

divu \$1, \$2

TAG705:

mthi \$1

bgtz \$1, TAG706

sll \$0, \$0, 0

Ih \$4, 0(\$1)

TAG706:

Ih \$4, 0(\$4)

srl \$1, \$4, 6

multu \$4, \$4

mfhi \$2

TAG707:

mflo \$3

mfhi \$3

sb \$2, 0(\$3)

sw \$3, 0(\$3)

TAG708:

Ih \$4, 0(\$3)

sb \$3, 0(\$3)

multu \$3, \$3

Iui \$3, 8

TAG709:

mflo \$3

ori \$3, \$3, 7

mult \$3, \$3

sra \$4, \$3, 9

TAG710:

Iui \$3, 5

sh \$3, 0(\$4)

or \$1, \$4, \$3

mult \$1, \$4

TAG711:

mfhi \$4

or \$4, \$1, \$4

sll \$0, \$0, 0

sII \$1, \$4, 7

TAG712:

bne \$1, \$1, TAG713

sII \$3, \$1, 8

mflo \$4

mthi \$1

TAG713:

sb \$4, 0(\$4)

xori \$4, \$4, 0

sb \$4, 0(\$4)

Ib \$3, 0(\$4)

TAG714:

Iw \$4, 0(\$3)

sb \$4, 0(\$4)

xor \$2, \$3, \$3

mult \$3, \$4

TAG715:

mult \$2, \$2

mtlo \$2

bne \$2, \$2, TAG716

sltiu \$1, \$2, 6

TAG716:

Iui \$4, 3

Iui \$1, 1

blez \$1, TAG717

lui \$4, 9

TAG717:

mtlo \$4

sltu \$4, \$4, \$4

bltz \$4, TAG718

mflo \$4

TAG718:

xori \$2, \$4, 0

srlv \$3, \$2, \$2

bltz \$2, TAG719

mthi \$4

TAG719:

divu \$3, \$3

sII \$0, \$0, 0

ori \$4, \$3, 14

mtlo \$4

TAG720:

mtlo \$4

sll \$0, \$0, 0

Iui \$4, 14

mult \$4, \$4

TAG721:

blez \$4, TAG722

divu \$4, \$4

bne \$4, \$4, TAG722

sltu \$3, \$4, \$4

TAG722:

bne \$3, \$3, TAG723

Iw \$2, 0(\$3)

Iui \$3, 4

sltiu \$4, \$3, 13

TAG723:

addi \$1, \$4, 9

subu \$4, \$4, \$1

multu \$4, \$4

Iui \$3, 5

TAG724:

xor \$4, \$3, \$3

mfhi \$2

Ibu \$4, 0(\$4)

blez \$3, TAG725

TAG725:

Iui \$2, 13

nor \$1, \$4, \$4

bgtz \$2, TAG726

mtlo \$1

TAG726:

mflo \$4

nor \$4, \$4, \$4

mfhi \$2

addu \$3, \$4, \$1

TAG727:

divu \$3, \$3

Iui \$2, 6

mflo \$4

mthi \$2

TAG728:

sII \$1, \$4, 4

```
bgtz $1, TAG729
```

Iui \$2, 11

sltu \$1, \$4, \$2

TAG729:

srav \$4, \$1, \$1

Iui \$3, 5

srl \$3, \$4, 1

mtlo \$1

TAG730:

beq \$3, \$3, TAG731

Iw \$3, 0(\$3)

bgez \$3, TAG731

mthi \$3

TAG731:

srl \$1, \$3, 5

sII \$1, \$1, 7

Iui \$3, 0

blez \$3, TAG732

TAG732:

Iui \$3, 8

bne \$3, \$3, TAG733

mflo \$2

sII \$0, \$0, 0

TAG733:

mtlo \$2

beq \$2, \$2, TAG734

srav \$4, \$2, \$2

xori \$3, \$2, 0

TAG734:

sra \$1, \$3, 2

Iui \$3, 11

mthi \$3

ori \$1, \$3, 4

TAG735:

Iui \$3, 10

sll \$0, \$0, 0

sII \$0, \$0, 0

sll \$0, \$0, 0

TAG736:

mtlo \$1

mfhi \$3

sll \$0, \$0, 0

mtlo \$1

TAG737:

sII \$0, \$0, 0

bgtz \$3, TAG738

mfhi \$3

sra \$2, \$3, 13

TAG738:

bgez \$2, TAG739

andi \$3, \$2, 6

mfhi \$2

lb \$4, 0(\$2)

TAG739:

xori \$1, \$4, 8

mult \$4, \$4

bne \$1, \$1, TAG740

Iui \$1, 14

TAG740:

sII \$0, \$0, 0

bne \$1, \$1, TAG741

mflo \$3

addiu \$3, \$1, 5

TAG741:

bne \$3, \$3, TAG742

mflo \$4

addiu \$2, \$3, 0

mfhi \$2

TAG742:

bne \$2, \$2, TAG743

mult \$2, \$2

Ibu \$3, 0(\$2)

Iui \$1, 12

TAG743:

multu \$1, \$1

sll \$0, \$0, 0

nor \$2, \$3, \$1

addu \$2, \$2, \$2

TAG744:

sll \$0, \$0, 0

multu \$2, \$2

sII \$0, \$0, 0

sII \$0, \$0, 0

TAG745:

subu \$2, \$2, \$2

Iui \$4, 0

mthi \$2

sh \$2, 0(\$2)

```
TAG746:
or $1, $4, $4
beg $4, $1, TAG747
mult $4, $1
bne $4, $1, TAG747
TAG747:
sh $1, 0($1)
mflo $2
mthi $1
mthi $2
TAG748:
bgtz $2, TAG749
mfhi $4
bne $4, $4, TAG749
slti $4, $4, 14
TAG749:
bgez $4, TAG750
mflo $3
sw $4, 0($4)
subu $2, $4, $4
TAG750:
nop
nop
test_end:
beq $0, $0, test_end
nop
输出
@00003000: $ 1 <= 0000000a
@00003004: $ 2 <= 0000000d
@00003008: $ 3 <= 00000006
@0000300c: $ 4 <= 00000000
@00003010: *00000000 <= 0000000d
@00003014: *00000004 <= 00000006
@00003018: *00000008 <= 0000000d
@0000301c: *000000c <= 00000000
@00003020: *00000010 <= 00000000
@00003024: *00000014 <= 00000006
@00003028: *00000018 <= 00000000
@0000302c: *0000001c <= 00000006
@00003030: *00000020 <= 00000000
@00003034: *00000024 <= 0000000a
@00003038: *00000028 <= 0000000d
@0000303c: *0000002c <= 00000000
@00003040: *00000030 <= 0000000d
```

```
@00003044: *00000034 <= 00000000
@00003048: *00000038 <= 0000000d
@0000304c: *0000003c <= 0000000d
@00003050: *00000040 <= 00000000
@00003054: *00000044 <= 00000006
@00003058: *00000048 <= 0000000a
@0000305c: *0000004c <= 00000000
@00003060: *00000050 <= 0000000a
@00003064: *00000054 <= 00000000
@00003068: *00000058 <= 00000006
@0000306c: *0000005c <= 00000000
@00003070: *00000060 <= 0000000d
@00003074: *00000064 <= 0000000d
@00003078: *00000068 <= 00000006
@0000307c: *0000006c <= 00000000
@00003080: *00000070 <= 0000000d
@00003084: *00000074 <= 00000006
```

@00003088: \*0000078 <= 0000000d
@0000308c: \*0000007c <= 0000000a
@00003094: \$ 2 <= ffffffff2
@0000309c: \$ 1 <= 000f0000
@000030a4: \$ 1 <= 000000c4</pre>

@000030bc: \$ 2 <= 00000000 @000030c0: \$ 2 <= 0000000d @000030c4: \$ 2 <= 00000000 @000030c8: \$ 3 <= 00000000

@000030cc: \*00000000 <= 00000000 @000030d0: \*00000000 <= 000000000

@000030d4: \$ 2 <= 00030000
@000030e8: \$ 1 <= 00060000
@000030ec: \$ 2 <= 00010000
@000030f0: \$ 4 <= 00000009
@000030f4: \$ 2 <= fffefff6
@000030fc: \$ 1 <= 00000000</pre>

@00003100: \*00000000 <= 00000000

@00003108: \$ 3 <= 00080000 @00003110: \$ 1 <= 00080000 @00003114: \$ 4 <= 000a0000 @00003118: \$ 1 <= 00090000 @0000311c: \$ 3 <= 000a0009 @00003124: \$ 1 <= 00000000

@0000312c: \*00000000 <= 00000000

@00003134: \$ 3 <= 000f0000 @00003158: \$ 3 <= 00000000

```
@00003160: *00000000 <= 00000000
```

- @00003168: \$ 3 <= 000b0000
- @00003174: \$ 4 <= 00000000
- @00003178: \*00000000 <= 00000000
- @00003188: \$ 3 <= 00090000
- @0000319c: \$ 1 <= 00000000
- @000031a8: \$ 1 <= 00000000
- @000031ac: \$ 1 <= 00000000
- @000031b0: \*00000000 <= 00000000
- @000031b4: \$ 2 <= 00000000
- @000031c4: \$ 1 <= 00000000
- @000031c8: \*00000000 <= 00000000
- @000031cc: \*00000000 <= 00000000
- @000031d0: \$ 2 <= 000d0000
- @000031d4: \$ 2 <= 00060000
- @000031dc: \$ 3 <= 00000000
- @000031e0: \$ 1 <= 00000000
- @000031ec: \$ 4 <= 00000000
- @000031f4: \$ 3 <= 00000001
- @000031f8: \$ 3 <= 00000000
- @000031fc: \$ 4 <= 00000000
- @00003204: \*00000000 <= 00000000
- @00003214: \$ 3 <= 00000000
- @0000321c: \*00000000 <= 00000000
- @00003220: \$ 4 <= 00000000
- @00003224: \$ 1 <= 00000000
- @00003228: \$ 1 <= 00000000
- @00003230: \$ 2 <= 00000000
- @00003240: \$ 3 <= 00000000
- @00003244: \$ 4 <= 00000000
- @00003248: \$ 2 <= 00000000
- @0000324c: \$ 2 <= 00000001
- @0000325c: \$ 3 <= 00020000
- @00003268: \$ 2 <= 00000002
- @00003274: \$ 4 <= 00000000
- @00003278: \$ 1 <= 00000000
- @00003280: \$ 4 <= 00000000
- @00003284: \$ 3 <= 00000000
- @00003288: \$ 3 <= 00000000
- @00003290: \$ 2 <= 00000000
- @00003290: \$ 2 <= 00000000
- @00003294: \$ 2 <= 00000000
- @00003298: \$ 2 <= 000a0000
- @000032a4: \$ 1 <= 00000064

```
@000032ac: $ 3 <= fff60064
```

- @000032e4: \*00000000 <= 00000000
- @000032e8: \$ 3 <= 00000000
- @000032f0: \$ 3 <= 00000000
- @000032f4: \$ 4 <= ffffffff
- @000032f8: \*00000000 <= 00000000
- @000032fc: \$ 3 <= 00000001
- @00003300: \$ 4 <= 00030000
- @00003304: \$ 2 <= 00000000
- @00003308: \$ 3 <= 00000000
- @0000330c: \$ 1 <= 00000000
- @00003310: \$ 3 <= 00000000
- @00003314: \$ 1 <= 00000000
- @0000331c: \$ 3 <= 00000000
- @00003320: \$ 1 <= 00000006
- @00003324: \$ 1 <= 0000000f
- @00003328: \$ 2 <= 00020000
- @0000332c: \$ 2 <= 0000000f
- @00003330: \$ 3 <= 00000000
- @00003334: \$ 3 <= 00000000
- @00003338: \$ 4 <= 00000000
- @00003338. \$ 4 \= 00000000
- @00003340: \$ 1 <= 00000000
- @00003348: \$ 3 <= 00000000
- $@00003354: $ 3 \le 00000000$
- $@00003360: $ 4 \le 00000000$
- @00003364: \$ 2 <= 00000000
- @00003368: \$ 4 <= 000c0000
- @0000336c: \$ 1 <= 000c0000
- @00003380: \$ 4 <= 00180000
- @00003390: \$ 4 <= 00000000
- @00003398: \*00000000 <= 00000000
- @0000339c: \$ 3 <= 00000000
- @000033a0: \$ 3 <= 00070000
- @000033a4: \$ 2 <= 00000000
- @000033a8: \$ 3 <= 00000000
- @000033ac: \$ 2 <= 00000001
- @000033b0: \$ 3 <= 00000000
- @000033b4: \$ 2 <= 00000000
- @000033bc: \*00000000 <= 00000000
- @000033c4: \$ 1 <= 0000000c
- @000033c8: \$ 2 <= 000e0000
- @000033cc: \$ 2 <= 00000000
- @000033d4: \$ 4 <= 00000000

- @000033d8: \*00000000 <= 00000000
- @000033e0: \*00000000 <= 00000000
- @000033e4: \$ 2 <= 00000000
- @000033e8: \$ 2 <= 00000000
- @000033f4: \$ 2 <= 00000000
- @000033f8: \*00000000 <= 00000000
- @000033fc: \$ 1 <= 00000000
- @00003400: \$ 3 <= 00000000
- @00003404: \$ 3 <= 00000001
- @00003410: \*00000000 <= 00000100
- @00003418: \$ 2 <= 000b0000
- @00003424: \$ 2 <= 00060000
- @00003430: \$ 1 <= 00000300
- @00003430: \$ 1 <= 00000300
- @00003434: \*00000000 <= 00000100
- @00003440: \$ 1 <= 000b0000
- @0000344c: \$ 2 <= 00000000
- @00003450: \$ 3 <= 00000000
- @00003454: \$ 4 <= 00000000
- @00003460: \*00000000 <= 00000000
- @00003464: \$ 1 <= 00000000
- @00003468: \$ 3 <= 00000000
- @0000346c: \$ 3 <= 00010000
- @0000347c: \$ 2 <= 00000000
- @00003480: \$ 4 <= 00000000
- @00003488: \$ 1 <= 00040000
- @0000348c: \$ 1 <= 00000000
- @00003490: \$ 4 <= 00000000
- @00003494: \*00000000 <= 00000000
- @00003498: \$ 4 <= 00090000
- @000034a0: \$ 2 <= 00020000
- @000034a4: \$ 1 <= 00010000
- @000034a8: \$ 2 <= 00010002
- @000034c4: \$ 3 <= 0009000b
- @000034e4: \$ 3 <= 00040000
- @000034ec: \$ 1 <= 00030000
- @000034f0: \$ 1 <= 00010002
- @000034f8: \$ 3 <= 00010002
- @000034fc: \$ 3 <= 000c0000
- @00003500: \$ 4 <= 00040000
- @00003510: \$ 1 <= 000e0000
- @00003514: \$ 2 <= 00000000
- @0000351c: \$ 1 <= 00000000
- @00003520: \$ 4 <= 00000000

```
@00003524: $ 3 <= ffffffff
```

- @0000352c: \$ 2 <= 00000000
- @00003534: \$ 4 <= 00040000
- @00003538: \$ 1 <= 00000030
- @00003540: \$ 2 <= 0000000d
- @00003544: \$ 2 <= 00000000
- @0000354c:  $$1 \le 00050000$
- @00003564: \$ 1 <= 00000000
- @00003570: \$ 1 <= 00000000
- @00003578: \$ 3 <= 00010000
- @0000357c: \$ 3 <= 00000001
- @00003580: \$ 1 <= 00000000
- @00003584: \$ 3 <= 00000000
- @00003590: \$ 2 <= 00000000
- @00003594: \$ 3 <= 00000000
- @00003598: \*00000000 <= 00000000
- @0000359c: \$ 3 <= 00000000
- @000035a0: \*00000000 <= 00000000
- @000035ac:  $*00000000 \le 00000000$
- @000035b0: \*00000000 <= 00000000
- @000035b4: \$ 3 <= 00000001
- @000035b8: \$ 1 <= 00000000
- @000035bc: \*00000000 <= 00000100
- @000035c4: \$ 1 <= 000a0000
- @000035c8: \$ 1 <= 00000000
- @000035d0: \*00000000 <= 00000000
- @000035d4: \*00000000 <= 00000000
- @000035d8: \$ 2 <= 00000000
- @000035e4: \$ 1 <= 00000000
- @000035f0: \$ 2 <= 00000001
- @000035f4: \$ 3 <= 00000000
- @000035f8: \$ 3 <= 00000000
- @0000360c: \*00000000 <= 00000000
- @00003610: \$ 4 <= 0000000a
- @00003614: \$ 3 <= 00000001
- @00003618: \$ 1 <= 00000000
- @0000361c: \$ 4 <= 00000000
- @00003620: \$ 3 <= 00000000 @00003624: \$ 2 <= 00000001
- @00003628: \$ 4 <= 00000004
- @0000362c: \$ 2 <= 00000000
- @00003630: \*00000000 <= 00000000
- @00003634: \$ 1 <= 00000000
- @00003638: \$ 3 <= 00000000

- @0000363c: \*00000000 <= 00000000
- @00003640: \*00000000 <= 00000000
- @00003644: \$ 2 <= 00000000
- @0000364c: \$ 1 <= 00000000
- @00003650: \$ 4 <= 00080000
- @00003654: \$ 2 <= 00000000
- $@00003660: $ 1 \le 00090000$
- @00003664: \$ 3 <= 00090000
- @0000366c: \$ 1 <= 00000000
- @00003690: \$ 1 <= 00000000
- @0000369c: \$ 1 <= 00000000
- @000036b4: \$ 2 <= 00000001
- @000036bc: \*00000000 <= 00000100
- @000036c4: \$ 4 <= 00000200
- @000036d0: \$ 2 <= 00050000
- @000036d4:  $$4 \le 000a0000$
- @000036dc: \$ 2 <= 00000000
- @000036e0: \*00000000 <= 00000000
- @000036e4: \$ 3 <= 00000000
- @000036ec: \$ 1 <= 00000005
- @000036f0: \$ 4 <= 00000000
- @000036f4: \$ 4 <= 00000009
- @000036fc: \$ 1 <= 00000000
- @00003704: \$ 1 <= 00030000
- @00003718: \$ 3 <= 00000000
- θυσσουτίο. Ψ σ <= σσσσσσσσ
- @0000371c: \$ 4 <= 000a0000 @00003724: \$ 2 <= 000a0000
- @00003728: \$ 3 <= 0a000000
- @00003744: \$ 3 <= 000a0000
- @00003750: \$ 2 <= 0a000000
- @00003750: \$ 2 <= 0a000000
- @00003758: \$ 2 <= 00000001
- ₩00003738. ¥ 2 \= 00000001
- @0000375c: \$ 2 <= 00000002
- @00003760: \$ 3 <= 00000011
- @00003768: \$ 4 <= 00000000
- @0000377c: \$ 4 <= 00000000
- @00003780: \$ 3 <= 000c0000
- @00003788: \$ 4 <= 00000000
- @0000378c: \*00000000 <= 00000000
- @00003794: \$ 4 <= 00000000
- @000037a0: \$ 1 <= 00050000
- @000037a4: \$ 3 <= 00000000
- @000037ac: \$ 1 <= 00050000
- @000037b4: \$ 3 <= 00000000

```
@000037c0: $ 3 <= 00000000
```

- @000037cc: \$ 2 <= 00000000
- @000037d0: \$ 1 <= 00000001
- @000037d4: \$ 1 <= 00000000
- @000037e0: \$ 3 <= 0000000e
- @000037e0: \$ 3 <= 0000000e
- @000037ec:  $$2 \le 00000000$
- @000037f0: \$ 4 <= 00070000
- @000037f8: \$ 1 <= fff8ffff
- @00003800: \$ 2 <= 00090000
- @0000380c: \$ 4 <= 000b0000
- @00003810: \$ 1 <= 000b0000
- @00003814: \$ 2 <= 00020000
- @00003824: \$ 3 <= fffdffff
- @00003828: \$ 4 <= 00040001
- @0000382c: \$ 3 <= 00000200
- @00003830: \*00000000 <= 00000000
- $@00003834: $ 3 \le 00000000$
- @0000383c: \$ 4 <= 00000000
- @00003848: \$ 4 <= 00000000
- @00003858: \$ 2 <= 00000000
- @00003860: \$ 4 <= 00040000
- @00003860: \$ 4 <= 00040000
- @00003868: \$ 2 <= 000c0000
- @0000386c: \$ 4 <= 00000000
- @00003878: \$ 4 <= 00000000
- @00003884: \$ 2 <= 00000000
- @00003894: \$ 2 <= 0000000e
- @00003898: \$ 1 <= fffffff1
- @0000389c: \$ 3 <= 00000000
- @000038a0: \$ 1 <= 00000000
- @000038b0: \$ 1 <= 00000000
- 00000014 40000000 ( 0000
- @000038b4:  $*00000000 \le 00000000$
- @000038b8: \$ 4 <= 00000000
- @000038bc: \$ 3 <= 000e0000
- @000038c4:  $$4 \le 00003800$
- @000038cc: \$ 1 <= 000000e0
- @000038d8: \$ 3 <= 00000000
- @000038dc: \$ 2 <= 00000000
- @000038e0: \$ 4 <= 00000000
- @000038e4: \$ 1 <= 00000000
- @000038e8: \*00000000 <= 00000000
- @000038ec:  $$2 \le 000000e0$
- @000038f0: \$ 3 <= 000e0000

```
@000038f4: $ 2 <= 00000000
```

- @00003908: \$ 4 <= 00000000
- @0000390c: \$ 1 <= 00000000
- @00003924: \$ 1 <= 00080000
- @0000392c: \$ 2 <= 00010000
- @00003934: \$ 3 <= 00020000
- @00003938:  $$4 \le ffff0000$
- $@00003940: $ 3 \le 00000000$
- @00003954: \$ 2 <= 00000000
- @0000395c: \*00000000 <= 00000000
- @00003960: \$ 3 <= 00000000
- @00003968: \$ 2 <= 00000000
- @00003970: \$ 1 <= 00000001
- $@00003974: $ 4 \le 00040000$
- @00003984: \$ 4 <= 00040000
- @0000398c: \$ 3 <= 00000000
- @00003998: \$ 2 <= ffffffff
- @000039a0: \$ 4 <= 00000000
- @000039a0: \$ 4 <= 00000000
- @000039a4: \$ 3 <= 00000000
- @000039ac: \$ 4 <= 00000000
- @000039bc: \$ 1 <= 000a0000
- @000037bC. ψ 1 <= 000a0000
- @000039c0:  $$1 \le 00000050$
- @000039c8: \$ 1 <= 0000000a
- @000039cc: \$ 4 <= 00000000
- @000039d8: \$ 3 <= 00000000
- @000039dc: \$ 1 <= 00010000
- @000039e0: \$ 1 <= 00010002
- @000039e4: \$ 4 <= 00000000
- @000039e8: \$ 4 <= 00000000
- @000039f0: \$ 3 <= 0000000f
- @000039f4: \$ 3 <= 0000000f
- @000039f8: \$ 2 <= 00000000
- @000039fc: \$ 1 <= 0000000f
- @00003a00: \*0000000c <= 0f000000
- @00003a04: \*0000000c <= 0f000000
- @00003a0c: \$ 2 <= 00060000
- @00003a18: \$ 3 <= 00060000
- @00003a20: \$ 1 <= 00000005
- @00003a2c: \$ 3 <= 00000001
- @00003a38: \$ 2 <= 00000002
- @00003a40: \$ 1 <= 000d0000
- @00003a44: \$ 4 <= 00000000
- @00003a4c: \$ 1 <= 000a0000

- @00003a50: \$ 3 <= 00000001
- @00003a58: \$ 2 <= 00000000
- @00003a60: \*00000000 <= 00000000
- @00003a68: \$ 2 <= 00000000
- @00003a74: \$ 3 <= 000f0000
- @00003a7c: \$ 3 <= 00000000
- @00003a80: \$ 2 <= 00050000
- @00003a88: \*00000000 <= 00000000
- @00003a8c: \$ 2 <= 00030000
- @00003ab4: \$ 3 <= 00000000
- @00003ab8: \$ 3 <= 00000000
- @00003ac0: \$ 3 <= 00000000
- @00003ac0: \$ 3 <= 00000000
- @00003acc: \$ 3 <= 000f0000
- @00003ad4: \$ 2 <= 00080000
- @00003adc:  $$1 \le 00000001$
- @00003ae0: \$ 3 <= 00000002
- @00003ae4: \$ 3 <= 00000003
- @00003aec: \$ 2 <= 00000003
- @00003af0: \$ 1 <= 00000003
- @00003af4: \$ 3 <= 00000000
- @00003afc: \$ 3 <= 00000001
- @00003b04: \$ 1 <= 00070000
- @00003b08: \*00000000 <= 00000000
- @00003b14: \$ 2 <= 00070000
- @00003b30: \$ 2 <= 000d0000
- @00003b38: \$ 1 <= 00070000
- @00003b40: \$ 3 <= 00003800
- @00003b44: \$ 1 <= 00000000
- @00003b48: \$ 1 <= 00000000
- @00003b50: \*00000000 <= 00000000
- @00003b54: \$ 3 <= 00000000
- @00003b60: \$ 1 <= 00000000
- @00003b64: \$ 3 <= 00000000
- @00003b68: \$ 4 <= 00000000
- @00003b6c: \$ 3 <= 00000000
- @00003b74: \$ 4 <= 00000031
- @00003b84: \$ 4 <= 00000000
- @00003b94: \$ 3 <= 00000000
- @00003b98: \$ 3 <= 00000000
- @00003ba0: \$ 1 <= 00000002
- @00003ba4: \$ 2 <= 00000000
- @00003ba8: \*00000000 <= 00000000
- @00003bb0: \*00000000 <= 00000000

```
@00003bb8: $ 4 <= 00000000
```

- @00003bc0: \$ 1 <= 00000000
- @00003bc4: \$ 4 <= 000e0000
- @00003bd0: \$ 3 <= 01c00000
- @00003bd0: \$ 3 <= 01c00000
- @00003be0: \$ 2 <= 00000000
- @00003be4:  $$2 \le 00040000$
- @00003c10:  $$1 \le 0000000f$
- @00003c14: \$ 4 <= 0000000f
- @00003c18: \*0000000c <= 0f000000
- @00003c1c: \$ 3 <= 0000000f
- @00003c20: \$ 4 <= 00000000
- @00003c24: \$ 2 <= 0000000f
- @00003c28: \$ 3 <= 00000000
- @00003c2c: \$ 4 <= 0000000f
- @00003c30: \$ 2 <= 0000000f
- @00003c34: \$ 1 <= 00000014
- @00003c3c: \$ 2 <= 00000000
- @00003c44: \$ 1 <= 00070000
- @00003c54: \$ 3 <= 00000000
- @00003c58: \$ 3 <= 000f0000
- @00003c5c: \$ 2 <= 00000000
- @00003c60: \$ 2 <= 00000000
- @00003c64: \$ 4 <= 00000014
- @00003004. \$ 4 \= 00000014
- @00003c68: \$ 1 <= 000c0000 @00003c6c: \$ 3 <= 00000014
- @00003c70: \*00000014 <= 00000014
- @00003c74: \$ 2 <= 00000000
- @00003c7c: \$ 3 <= 00000000
- @00003c80: \$ 2 <= 00000003
- @00003c84: \$ 1 <= 00000000
- @00003c88: \$ 1 <= 00000000
- @00003c98: \$ 4 <= 00000000
- @00003ca0: \$ 2 <= 00000000
- @00003ca4: \$ 4 <= 00000000
- @00003ca8: \*00000000 <= 00000000
- @00003cac: \$ 4 <= 00000000
- @00003cb0: \$ 2 <= 00000000
- @00003cb8: \$ 4 <= 00000000
- @00003cc0: \$ 2 <= 00000000
- @00003cc0: \$ 2 <= 00000000
- @00003cc8: \$ 4 <= 00000000
- @00003ccc: \$ 3 <= 00000000
- @00003cd0: \$ 3 <= 0000000b

- @00003cd4: \$ 4 <= 00000000
- @00003cdc: \$ 1 <= 00080000
- @00003ce4: \$ 4 <= 00100000
- @00003ce8: \$ 2 <= 00000000
- @00003cf4: \$ 1 <= 00000000
- @00003cfc: \$ 3 <= 00000000
- @00003d00: \$ 3 <= 00000000
- @00003d04: \*00000000 <= 00000000
- @00003d08: \$ 2 <= 00000000
- @00003d14: \$ 1 <= 00010000
- @00003d1c: \$ 4 <= 00000001
- @00003d20: \$ 1 <= 00000000
- @00003d28: \*00000000 <= 00000100
- @00003d30: \$ 2 <= 00000002
- @00003d34: \$ 4 <= 000b0000
- @00003d3c: \$ 1 <= 00002000
- @00003d40: \*00000000 <= 00000100
- @00003d48: \$ 2 <= 00000000
- @00003d50: \$ 2 <= 00000000
- @00003d60: \$ 1 <= 00000000
- @00003d64: \$ 4 <= 00000100
- @00003d68: \$ 3 <= 00090000
- @00003d74: \$ 3 <= 00000000
- @00003d80: \$ 1 <= 00000000
- @00003d88: \$ 1 <= 00000000
- @00003d8c: \$ 2 <= 00000000
- @00003d94: \$ 1 <= 00000000
- @00003d9c: \$ 1 <= 00000000
- @00003da0: \$ 1 <= 00000000
- @00003da4: \$ 4 <= 00000100 @00003dac: \$ 2 <= 00020000
- -----
- @00003dc0: \$ 2 <= 00040000 @00003dc0: \$ 2 <= 00040000
- @00003dcc: \$ 2 <= 00000200
- @00003de0: \*00000000 <= 00000000
- @00003de8: \$ 4 <= 00000000
- @00003dec: \$ 1 <= 000c0000
- @00003df4: \$ 1 <= 00000000
- @00003df8: \*00000000 <= 00000000
- @00003dfc: \$ 3 <= 00000000
- @00003e00: \$ 4 <= ffffffff
- @00003e08: \$ 1 <= 00000000
- @00003e0c: \*00000000 <= 00000000
- @00003e10: \$ 1 <= 00090000

```
@00003e14: $ 4 <= 00000000
```

$$@00003e68: $ 4 \le 00000000$$

#### @00003ec0: \*00000000 <= 00020000

## @00003ec4: \$ 1 <= 00000000

## @00003ee8: \*00000000 <= 00000000

## @00003ef8: \$ 3 <= 00000000

#### @00003f04: \*00000000 <= 00000000

#### @00003f10: \$ 4 <= 00000000

# @00003f30: \$ 4 <= fffbffff

# @00003f38: \*00000000 <= 00000000

- @00003f44: \$ 1 <= 00000000
- @00003f4c: \$ 3 <= 00000000
- @00003f50: \$ 2 <= 00000000
- @00003f58: \$ 2 <= 00000000

```
@00003f68: $ 4 <= 00000001
```

- @00003f78: \*00000004 <= 07000006
- @00003f7c: \$ 2 <= 000b0000
- @00003f84: \$ 1 <= 00000001
- @00003f88: \$ 3 <= fff4ffff
- $@00003f8c: $ 3 \le ffe9fffe$
- @00003f94: \$ 2 <= ffffffd3
- @00003f9c: \$ 1 <= 000d0000
- @00003fa0: \$ 1 <= fffbffff
- @00003fa8: \$ 3 <= 00000000
- @000031a6. \$ 3 \= 00000000
- @00003fac: \$ 3 <= 00000000
- @00003fb4: \$ 1 <= 00070000
- @00003fc0: \$ 2 <= 00000000
- @00003fc4: \$ 1 <= fff8000e
- @00003fcc: \$ 2 <= 00000000
- @00003fd0: \$ 3 <= 00000000
- @00003fd4: \$ 2 <= 00080001
- @00003fd8: \$ 1 <= 00080001
- @00003fdc: \$ 4 <= 000f0000
- @00003fe8: \$ 1 <= 000f0002
- @00003fec: \$ 4 <= 001e0004
- @00003ffc: \$ 3 <= 00000000
- @00004000: \$ 1 <= 00000000
- @00004004: \$ 3 <= 0000000f
- @00004008: \$ 1 <= 0000000f
- @0000400c: \$ 4 <= 000b0000
- @00004010: \$ 1 <= 00f00010
- @00004020: \$ 3 <= 1e000100
- @00004024: \$ 1 <= 000c0000
- @00004028: \$ 1 <= 000f0000
- @00004068: \$ 4 <= 000f0000
- @00004070: \$ 1 <= 000f0002
- @00004078: \$ 3 <= 00007800
- @0000408c: \$ 1 <= 000e0000
- @00004098: \$ 3 <= 000000c4
- @000040a4: \$ 3 <= 00000000
- @000040ac: \$ 4 <= 00000000
- @000040b0: \*00000000 <= 00000000
- @000040b8: \$ 1 <= 000000c4
- @000040c0: \$ 2 <= 00000000
- @000040c4: \$ 1 <= 000f0000
- @000040c8: \$ 3 <= 00000000
- @000040d0: \$ 1 <= 00000000

```
@000040d0: $ 1 <= 00000000
```

- @000040d8: \$ 1 <= 00000000
- @000040f4: \*00000000 <= 00000000
- @000040f8: \$ 2 <= 00000000
- @000040fc: \$ 3 <= 00000000
- @00004104: \*00000000 <= 00000000
- @00004108: \*00000000 <= 00000000
- @0000410c: \$ 1 <= 00040000
- @00004110: \$ 3 <= 00070000
- @00004118: \$ 3 <= 00000000
- @00004120: \*00000000 <= 00000000
- @00004120: \*00000000 <= 00000000
- @00004124: \$ 3 <= 00070000
- @0000412c: \$ 2 <= 00070006
- @00004130: \$ 2 <= 00000000
- @00004138: \*00000000 <= 00000000
- @00004140: \$ 1 <= 00000000
- @00004140: \$ 1 <= 00000000
- @00004144: \$ 2 <= 00000001
- @0000414c: \$ 3 <= 00060000
- @00004154: \$ 2 <= 000c0000
- @00004158: \$ 1 <= 000c0000
- @00004168: \$ 4 <= 00000000
- @0000416c: \$ 2 <= 00000000
- @00004174: \*00000000 <= 00000000
- @00004178: \$ 1 <= 00000000
- @00004184: \$ 1 <= 00000000
- @00004188: \$ 2 <= 00000000
- @0000418c: \$ 1 <= 00000000
- @00004194: \$ 4 <= 00000000
- @00004198: \*00000000 <= 00000000
- @0000419c: \*00000000 <= 00000000
- @000041a8: \$ 4 <= 00000000
- @000041ac: \$ 3 <= 000e0000
- @000041c0: \$ 3 <= 00000002
- @000041c0: \$ 3 <= 00000002
- @000041c4: \*00000000 <= 00020000
- @000041c8: \$ 3 <= 000d0000
- @000041cc: \$ 3 <= 000e0000
- @000041dc: \$ 3 <= 001c0000
- @000041e0: \$ 2 <= 00000000
- @000041e4: \*00000000 <= 00020000
- @000041e8: \$ 2 <= 001c0000
- @000041f8: \$ 1 <= 00000000

- @000041fc: \$ 4 <= 00000000
- @00004204: \$ 4 <= 00000001
- @00004208: \*00000000 <= 00020100
- @0000420c: \$ 2 <= 00000001
- @00004214: \$ 4 <= fffffffe
- @00004224: \$ 1 <= 00000002
- @00004230: \*00000000 <= 00020100
- @00004238: \$ 3 <= 00000002
- @0000423c: \$ 2 <= 00000004
- @00004244: \$ 2 <= 00000000
- @00004250: \*00000000 <= 00020000
- @00004254: \$ 2 <= 00000000
- @0000425c: \$ 4 <= 00000000
- @00004270: \$ 1 <= 00000000
- @00004278: \$ 4 <= 00000000
- @00004284: \$ 4 <= 00000000
- @00004288: \$ 4 <= 00000000
- @00004290: \$ 4 <= 00000009
- @00004294: \$ 1 <= 00040000
- @00004298: \$ 1 <= 00040009
- @0000429c: \*00000008 <= 0000090d
- @000042a0: \$ 1 <= 00000000
- @000042a4: \*00000000 <= 00020000
- @000042a8: \$ 1 <= 00000002
- @000042b0: \$ 4 <= 00000008
- @000042b4: \*00000000 <= 00080000
- @000042b8: \*00000008 <= 00000008
- @000042bc: \*00000000 <= 00020000
- @000042c4: \$ 4 <= 00000001
- @000042c8: \$ 4 <= 00000001
- @000042d0: \$ 4 <= 00090000
- @000042e0: \$ 4 <= 00000000
- @000042e4: \*00000000 <= 00000002
- @000042e8: \$ 2 <= 00000002
- @000042f0: \$ 3 <= 00000000
- @000042f4: \*00000000 <= 00020002
- @000042f8: \$ 4 <= 00000001
- @00004300: \$ 4 <= 00000000
- @00004300: \$ 4 <= 00000000
- @00004304: \$ 1 <= 00000003
- @00004308: \$ 4 <= 00000000
- @00004310: \$ 2 <= 00000000
- @00004314: \$ 2 <= 00000000
- @00004318: \$ 4 <= 00000000

```
@00004328: $ 2 <= 00000002
```

- @00004330: \*00000000 <= 00020002 @00004334: \*00000000 <= 00020002
- @00004338: \$ 3 <= 00000000
- @00004340: \$ 4 <= 00000000
- @00004340: \$ 4 <= 00000000
- @00004350: \$ 4 <= 00000000
- @00004354: \$ 2 <= 00000000
- @00004358: \$ 4 <= 000b0000
- @0000435c: \$ 4 <= 00000000
- @00004360: \$ 4 <= 00020002
- @00004370: \$ 1 <= 00020000
- @00004378: \$ 1 <= 000c0000
- @0000438c:  $$ 3 \le 000c000f$
- @0000439c: \$ 2 <= 000b0000
- @000043a0: \$ 2 <= 00000000
- @000043a4: \$ 4 <= 00000000
- @000043b4: \$ 4 <= 00000000
- @000043b8: \$ 3 <= 00000000
- @000043bc: \$ 4 <= 00000000
- @000043c0: \*00000000 <= 00020000
- @000043cc: \$ 1 <= 00000000
- @000043d4: \$ 2 <= 00000000
- $@000043dc: $ 3 \le ffffffff$
- @000043e4:  $$ 4 \le 00000000$
- @000043e8: \$ 3 <= 0000000b
- @000043ec: \$ 1 <= 00000000
- @000043f0: \$ 1 <= 000a0000
- @000043f4: \$ 3 <= ffffffff
- $@000043fc: $ 4 \le ffffffff$
- @00004404: \$ 4 <= 00000000
- @00004418: \*00000000 <= ffffffff
- @00004420: \$ 4 <= 0000000c
- @00004420: \$ 4 <= 0000000c
- @00004424: \$ 3 <= 00000000
- @00004428: \$ 4 <= 00000000
- @0000442c: \$ 3 <= 00000000
- @00004430: \*00000000 <= 00000000
- @00004434: \$ 3 <= 00000001
- @00004444: \$ 4 <= 00040000
- @00004448: \$ 4 <= fffc0001
- @00004450: \$ 1 <= 00000000
- @00004450: \$ 1 <= 00000000
- @00004454: \$ 1 <= 00000000

- @00004458: \$ 3 <= 00000000
- @00004460: \$ 1 <= 00000000
- @00004464: \$ 1 <= 00040000
- @00004468: \$ 4 <= 00000000
- @00004488: \*00000000 <= 00000000
- @00004490: \*00000000 <= 00000000
- @00004490: \*00000000 <= 00000000
- @00004494: \$ 1 <= 00000000
- @0000449c: \$ 3 <= 000c0000
- @000044a0: \$ 1 <= 000c000b
- @000044a4: \$ 4 <= 000c0000
- @000044a8: \$ 4 <= 00000000
- @000044ac: \$ 3 <= 000c000b
- @000044b0: \$ 2 <= 000c0019
- @000044b4: \$ 3 <= 00060000
- @000044b8: \$ 4 <= 00060000
- @000044c8: \$ 4 <= 00050000
- @000044d4: \$ 4 <= 00000024
- @000044d8: \*00000024 <= 00000024
- @000044e0: \$ 2 <= 00060000
- @000044e8: \$ 3 <= 000c0000
- @000044f4: \$ 2 <= 000c0000
- @000044f8: \$ 1 <= 00060000
- @000044fc: \$ 2 <= 000e0000
- @00004500: \$ 1 <= 00000000
- @00004504: \$ 4 <= 00000024
- @00004518: \$ 3 <= 00000000
- @0000451c: \$ 3 <= 000d0000
- @0000452c: \$ 3 <= 001a0000
- @00004530: \$ 1 <= 00030000
- @00004544: \$ 4 <= 001a0000
- @00004548: \$ 1 <= 000d0000
- @0000454c: \$ 2 <= 000d0000
- @00004550: \$ 1 <= 00060000
- @00004554: \$ 3 <= 00000000
- @0000455c: \$ 4 <= 00000000
- @00004568: \$ 1 <= 000b0000
- @00004574: \$ 3 <= 00000000
- -----
- @0000457c: \$ 2 <= 00000000
- @00004580: \$ 1 <= 00000000
- @00004588: \$ 1 <= 00000000
- @0000458c: \$ 3 <= 00000000
- @00004590: \*00000000 <= 00000000
- @00004594: \*00000000 <= 00000000

```
@000045a4: $ 2 <= 00000000
```

## @00004640: \*00000000 <= 00000000

$$@00004664: $ 4 \le 00000000$$

# @00004674: \$ 2 <= 00001000

## @00004680: \*00000000 <= 00000000

#### @00004688: \$ 4 <= 00001009

## @000046a4: \*00000000 <= 00000100

## @000046a8: \$ 1 <= 00000000

#### @000046b8: \*00000000 <= 0000fffe

## @000046bc: \$ 1 <= 00000004

#### @000046c0: \*00000004 <= 00000004

# @000046c8: \$ 3 <= 00000004

#### @000046d4: \*00000004 <= 00000004

- @000046d8: \$ 4 <= 0000000c
- @000046e4: \$ 3 <= 00010000
- @000046f0: \$ 3 <= 00000005

- @000046f4: \$ 3 <= 00000000
- @000046f8: \*00000004 <= 00000000
- @00004700: \$ 4 <= 00000000
- @00004708: \*00000000 <= 0000ff00
- @0000470c: \$ 1 <= 00090000
- @00004718: \$ 1 <= 00000000
- @00004728: \$ 1 <= 00000000
- @00004730: \$ 1 <= 0000ff00
- @00004738: \$ 1 <= 00000000
- @00004740: \$ 3 <= 00000000
- @00004740: \$ 3 <= 00000000
- @00004744: \$ 1 <= 00000000
- @00004748: \$ 2 <= 0000ff00
- @00004754: \$ 3 <= 00000000
- @00004760: \$ 2 <= 00000000
- @00004764: \*00000000 <= 0000ff00
- @0000476c: \$ 3 <= 00000000
- @00004774: \$ 4 <= 00000000
- @0000477c: \*00000000 <= 00000000
- @00004784: \$ 2 <= 00000000
- @00004790: \$ 3 <= ffffffff
- @00004794: \$ 3 <= 00060000
- @000047a4: \$ 3 <= 0006000a
- @000047a8: \$ 1 <= 000a0000
- @000047b0: \$ 1 <= 00140000
- @000047b4: \$ 2 <= 00140000
- @000047c0: \$ 2 <= 00000000
- @000047c4: \$ 4 <= 00000001
- @000047cc: \$ 2 <= 00000000
- @000047d0: \*00000000 <= 00000000
- @000047d8: \*00000000 <= 00000000
- @000047e4: \$ 2 <= 00000000
- @000047f0: \$ 4 <= 00000001
- @000047f4: \$ 2 <= 00000000
- @00004800: \$ 1 <= 00000000
- @00004804: \$ 3 <= 00040000
- @00004808: \$ 1 <= 00040000
- @0000480c: \*00000000 <= 00040000
- @00004810: \$ 3 <= 00000000
- @00004814: \$ 1 <= 00040001
- @00004820: \$ 1 <= 0004000c
- @00004820: \$ 1 <= 00040001
- @00004824: \$ 1 <= 00000000
- @0000482c: \$ 1 <= 00000000

```
@00004830: $ 4 <= 00000000
```

- @00004834: \$ 4 <= 00000000
- @00004838: \$ 1 <= 00000000
- @00004848: \$ 3 <= 00000000
- @0000484c: \$ 1 <= 00000000
- @00004850: \$ 2 <= 00000000
- @00004858: \$ 1 <= 00000000
- @00004868: \$ 4 <= 00000000
- @00004870: \$ 2 <= 00000000
- @00004874: \$ 2 <= 00040000
- @0000487c: \$ 2 <= 00000000
- @0000467C. \$ 2 \= 00000000
- @00004880: \$ 2 <= 00000000
- @00004884: \$ 2 <= 00000000
- @00004888: \$ 2 <= 00000000
- @00004894: \$ 1 <= 00000000
- @0000489c: \$ 3 <= 00000000
- @000048a4: \$ 1 <= 00000000
- @000048a8: \$ 2 <= 00000000
- @000048ac: \$ 1 <= 00000000
- @000048b4: \$ 1 <= 00020000
- @000048b8: \$ 2 <= 0002000c
- $@000048c4: $ 4 \le 0002000d$
- @000048d4: \$ 3 <= 00050000
- @000048dc: \$ 4 <= 0007000c
- @000048e8: \$ 2 <= 00000023
- @000048ec: \$ 2 <= 00050000
- @000048f4: \$ 3 <= 00080000
- @000048f8: \$ 1 <= 00000023
- $@00004900: $ 3 \le 00000000$
- @00004900: \$ 3 <= 00000000
- @00004904: \$ 3 <= 000b0000
- @0000490c: \$ 1 <= 00000000
- @00004914: \*00000000 <= 00040000
- @00004918: \$ 4 <= 00000001
- @0000491c: \$ 2 <= 00000000
- @00004924: \$ 4 <= 000a0000
- @00004930: \*00000000 <= 00040000
- @0000493c: \$ 3 <= 00000000
- @00004940: \$ 1 <= 00000000
- @00004944: \$ 2 <= 00000000
- @0000494c: \*00000000 <= 00040000
- @00004950: \*00000000 <= 00000000
- @00004958: \$ 3 <= 00000004
- @00004968: \$ 2 <= 00000008

- $@00004970: $ 1 \le 00000000$
- @00004974: \$ 4 <= 00000008
- @00004978: \*00000000 <= 00000008
- @00004984: \$ 2 <= 00000000
- @0000498c: \*00000000 <= 00000000
- @00004990: \$ 1 <= 00000000
- @0000499c: \*00000000 <= 00000000
- @000049a0: \*00000000 <= 00000000
- @000049a4: \$ 1 <= 00000000
- @000049ac: \*00000000 <= 00000000
- @000049b0: \*00000000 <= 00000000
- @000049b4: \$ 3 <= 00000001
- @000049b8: \$ 3 <= 00020000
- @000049cc:  $$4 \le 00002000$
- @000049d0: \$ 2 <= 00002000
- @000049d4: \$ 3 <= 00000000
- @000049d8: \$ 1 <= 00000000
- @000049e8: \$ 3 <= 00000000
- @000049f0: \$ 3 <= 00000000
- @000049f8: \*00000000 <= 00000000
- $@000049fc: $ 3 \le 00000008$
- @00004a00: \$ 2 <= 00000000
- @00004a04: \$ 2 <= 00000008
- @00004a08: \$ 2 <= 00002000
- @00004a0c: \*00000000 <= 00000000
- @00004a10: \$ 4 <= 0000200a
- @00004a14: \$ 3 <= 0000200a
- @00004a18: \$ 3 <= 00000000
- @00004a1c: \*00000000 <= 00002000
- @00004a24: \*00000000 <= 00000000
- @00004a28: \$ 3 <= 00002000
- @00004a2c: \$ 3 <= 00000000
- @00004a30: \$ 3 <= 00002000
- @00004a34: \$ 1 <= 00000000
- @00004a3c: \$ 4 <= 00000000
- @00004a48: \$ 2 <= 00050000
- @00004a4c: \$ 3 <= 00000001
- @00004a50: \$ 3 <= 0000000d
- @00004a54: \$ 4 <= 00000000
- @00004a60: \$ 3 <= 00000000
- @00004a68: \$ 3 <= 0000000d
- @00004a74: \$ 2 <= 0000001a
- @00004a7c: \$ 3 <= 00030000
- @00004a80: \$ 3 <= fffcffff

```
@00004a94: $ 1 <= fffcffff
```

- @00004aa0: \$ 4 <= 00000009
- @00004aa8: \$ 2 <= 00000001
- @00004ab8: \$ 1 <= 00000000
- @00004ac0: \$ 2 <= 00000000
- @00004ac4: \$ 2 <= 00000000
- @00004ac8: \$ 3 <= 00020000
- @00004acc: \$ 1 <= 00040000
- @00004ad4: \$ 4 <= 00040000
- @00004adc: \$ 1 <= 00060000
- @00004ae8: \$ 2 <= 00020000
- @00004aec: \$ 1 <= 00000000
- @00004af4: \$ 1 <= 00060000
- @00004afc: \$ 3 <= 00000000
- @00004b00: \$ 2 <= 00000000
- $@00004b04: $ 4 \le 00000000$
- @00004b08: \$ 3 <= 00000000
- @00004b10: \*00000000 <= 00000000
- @00004b10: \*00000000 <= 00000000
- @00004b18: \$ 4 <= 00000000
- @00004b1c: \$ 3 <= 00000000
- @00004b20: \$ 4 <= 000f0000
- @00004b34: \$ 1 <= 000f0000
- @00004b38: \$ 2 <= fff0ffff
- @00004b3c: \$ 1 <= 00000001
- @00004b40: \*00000000 <= 00000100
- @00004b44: \$ 4 <= 00080000
- @00004b4c: \$ 3 <= 00000040
- @00004b68: \$ 4 <= 000f0000
- @00004b70: \$ 3 <= 001e0000
- @00004b7c: \$ 4 <= 00000001
- @00004b80: \$ 4 <= 00000001
- @00004b84: \$ 3 <= 00000000
- @00004b88: \$ 2 <= 00000001
- @00004b8c: \$ 1 <= 0000000f
- @00004b94: \$ 4 <= 00070000
- @00004b98: \$ 4 <= 000f0000
- σουτουσο
- @00004b9c: \$ 1 <= 0000000f
- @00004ba0: \$ 2 <= 00000000
- @00004bb8: \$ 4 <= 0000000f
- @00004bc0: \$ 1 <= 00000000
- @00004bc8: \$ 3 <= 00000000
- @00004bd0: \$ 1 <= 0000000f
- @00004bd8: \$ 4 <= 0000000f

```
@00004be4: $ 1 <= 0000000f
```

- @00004c18: \$ 1 <= 0000000f
- @00004c20: \$ 3 <= 00000001
- @00004c24: \$ 3 <= 00000000
- @00004c30: \$ 3 <= 00000000

## @00004c3c: \*00000000 <= 00000000

- @00004c40: \$ 2 <= 00040000
- @00004c44: \$ 1 <= 00000007
- @00004c48: \$ 1 <= 00000000

## @00004c4c: \*00000000 <= 00000000

- @00004c50: \$ 2 <= 00000000
- @00004c58: \$ 4 <= 00000000
- @00004c60: \*00000000 <= 00000000
- @00004c64: \$ 3 <= 00000001
- @00004c68: \$ 4 <= 00000000
- @00004c6c: \$ 1 <= 00000000
- @00004c70: \$ 1 <= 00000000
- @00004c7c: \$ 3 <= 00050000
- @00004c84: \$ 2 <= 000a0000
- @00004ca4: \$ 4 <= 000a0000
- @00004cc0: \$ 1 <= 00080000
- @00004cd4: \$ 2 <= 000c0000
- @00004ce0: \$ 1 <= 00080000
- @00004ce8: \$ 1 <= 00000000
- @00004cec: \$ 4 <= 00000000
- @00004cf0: \$ 3 <= 00000001
- @00004cf4: \$ 4 <= 00000000
- @00004d04: \*00000000 <= 00000000
- @00004d0c: \$ 1 <= 00000000
- @00004d14: \$ 2 <= 00000001
- @00004d20: \*00000000 <= 00000100
- @00004d28: \$ 1 <= 00070000
- @00004d2c: \$ 1 <= 00000000
- @00004d30: \$ 4 <= 00000001
- @00004d34: \$ 1 <= 00000000
- @00004d38: \$ 1 <= 00060000
- @00004d3c: \$ 4 <= 000d0000
- @00004d44: \$ 4 <= 00003400

- @00004d54: \$ 3 <= 00000001
- @00004d58: \*00000000 <= 00000100
- @00004d60: \$ 4 <= 00000001
- @00004d64: \$ 4 <= 00080000
- @00004d90: \$ 1 <= 00000001
- @00004d94: \$ 4 <= 00080000
- @00004da0: \$ 3 <= 00080009
- @00004da4: \$ 3 <= 00040000
- @00004dac: \$ 4 <= 00080000
- @00004db4: \$ 4 <= 00000000
- @00004dc0: \*00000000 <= 00000100
- @00004dc4: \$ 3 <= 00020000
- @00004dc8: \$ 4 <= 00000000
- @00004dcc:  $$4 \le 000e0000$
- @00004dd0: \$ 4 <= 00000001
- @00004dd8: \*00000000 <= 00000100
- @00004ddc: \$ 4 <= 000d0000
- @00004dec: \$ 4 <= 000d0006
- @00004df8: \$ 4 <= 000d000a
- @00004e00: \$ 3 <= 00000000
- @00004e08: \$ 4 <= 000d0000
- @00004e0c: \$ 4 <= 000e0000
- @00004e24: \$ 3 <= 00090000
- @00004e30: \$ 3 <= 00000001
- @00004e30: \$ 3 <= 00000001
- θυσου<del>τ</del>ουσο. ψ υ <− σοσσσσοι
- @00004e34: \$ 4 <= 00060000 @00004e38: \$ 3 <= 00000000
- @00004e48: \$ 3 <= 00000003
- @00004e4c: \$ 2 <= 00050000 @00004e58: \$ 3 <= 000d0000
- @00004e68: \$ 2 <= 03400000
- \_\_\_\_\_
- @00004e6c: \$ 4 <= 00000000
- @00004e78: \*00000000 <= 00000100
- @00004e80: \$ 4 <= 00000100
- @00004e84: \$ 4 <= 00000000
- @00004e88: \$ 3 <= 00000001
- @00004e94: \$ 3 <= 000d0000
- @00004eac: \$ 2 <= 000d0000
- @00004ec0: \*00000000 <= 00000100
- @00004ec4:  $$1 \le 00000000$
- @00004ed4: \$ 1 <= 00000100
- @00004ed8: \*00000000 <= 00000100
- @00004edc: \$ 1 <= 00030000
- @00004ee4: \$ 1 <= 00000000

- @00004ee8: \$ 2 <= 00000100
- @00004eec: \$ 3 <= 00000000
- @00004ef4: \$ 1 <= 00000000
- @00004ef8: \$ 1 <= 00060000
- @00004efc: \$ 3 <= 00000001
- @00004f04: \*00000000 <= 00000100
- @00004f08: \$ 3 <= 00000000
- @00004f0c: \$ 4 <= 00000000
- @00004f10: \$ 3 <= 000c0000
- @00004f18: \$ 1 <= 00000000
- @00004f20: \$ 2 <= 00000000
- @00004f24: \$ 3 <= 00000001
- @00004f3c: \$ 1 <= 00000002
- @00004f48:  $$ 4 \le 00000002$
- @00004f4c: \$ 2 <= 00000000
- @00004f50: \*00000000 <= 00000100
- @00004f54: \*00000000 <= 00000100
- @00004f60: \$ 1 <= 00000000
- @00004f68: \$ 1 <= 00000000
- @00004f74: \$ 2 <= 000f0000
- @00004f78: \$ 3 <= 00060000
- @00004f7c: \$ 1 <= 000e0000
- @00004f80: \$ 1 <= 00000000
- @00004f84: \$ 1 <= 00000000
- @00004f8c: \*00000000 <= 00000000
- @00004f90: \$ 4 <= 000a0000
- @00004f94: \$ 2 <= 00000000
- @00004fa4: \$ 1 <= 00000001
- @00004fa8: \$ 2 <= 00000000
- @00004fac: \*00000000 <= 00000100
- @00004fb0: \*00000000 <= 00000000
- @00004fb8: \$ 1 <= 00000000
- @00004fc0: \$ 2 <= 00000000
- @00004fc4: \$ 1 <= 00000000
- @00004fd4: \$ 1 <= 00000000
- @00004fe0: \$ 2 <= 00000000
- @00004fe4: \$ 2 <= 00000000
- @00004fe8: \$ 1 <= 00000008
- @00004fec: \$ 1 <= 00000000
- @00004ff0: \$ 4 <= 00000000
- @00004ff4: \$ 3 <= 00000000
- @00004ff8: \$ 2 <= 00000000
- @00004ffc: \$ 3 <= 00000000
- @00005000: \$ 4 <= 000f0000

```
@00005004: $ 2 <= 00090000
```

- @00005008: \$ 2 <= 000c0000
- @00005010: \$ 2 <= 00060000
- @00005024: \$ 3 <= 00000000
- @00005030: \$ 3 <= 001e0000
- @00005044: \$ 2 <= 001e000c
- @00005050: \$ 3 <= 001e000c
- @0000505c: \$ 3 <= 00040000
- @00005060: \$ 4 <= 000000e1
- @00005064: \$ 2 <= 00040000
- @00005068: \$ 3 <= 000400e1
- @00005074: \*00000000 <= 000000e1
- @00005078: \$ 1 <= 000000e1
- @00005080: \$ 3 <= 00000070
- @0000508c: \$ 4 <= 00010000
- @00005090: \$ 1 <= 000000e1
- @00005094: \$ 3 <= 00090000
- @00005098: \$ 4 <= 00010000
- @000050a8: \$ 3 <= 00010000
- @000050c4: \$ 1 <= 00010004
- @000030C4. ψ 1 <= 00010004
- @000050d4: \$ 1 <= 00010000
- @000050d8: \$ 2 <= 00000000
- @000050dc: \$ 3 <= 00060000
- @000050f0: \$ 1 <= 00000000
- @000050f0: \$ 1 <= 00000000
- @000050f4: \$ 2 <= fffeffff
- @000050f8: \$ 2 <= 00010000
- @00005110: \$ 3 <= 000000e1
- @00005114: \$ 2 <= 00010000
- @0000512c: \$ 4 <= 00060000
- @00005144: \$ 2 <= 00060000
- @00005148: \$ 4 <= 00060000
- @00005150: \$ 1 <= 00000000
- @0000515c: \$ 2 <= 000f0000
- @00005164: \$ 4 <= 000b0000
- @00005174: \*00000000 <= 000000e1
- @00005178: \$ 2 <= 00000000
- @0000517c: \$ 4 <= ffffff1e
- @00005180: \*00000000 <= 0000001e
- @00005184: \$ 2 <= 00000000
- @00005188: \$ 4 <= 0000001e
- @00005190: \$ 3 <= 00050000
- @00005198: \*0000001c <= 00000006
- @000051a0: \$ 3 <= 000c0000

```
@000051a8: $ 2 <= 00040000
```

- @000051b4: \$ 2 <= 00200000
- @000051c0: \$ 3 <= 00000000
- @000051d0: \$ 1 <= 00000000
- @000051d8: \$ 2 <= 00000000
- @000051dc: \$ 2 <= 0000001e
- $@000051e0: $ 4 \le 00000000$
- @000051e4:  $$ 3 \le 00020000$
- @000051f8: \$ 2 <= 00020000
- @00005200: \$ 2 <= 04000000
- @00005204: \$ 1 <= 00060000
- @00005208: \$ 3 <= 04000000
- @00005210: \$ 3 <= 04000000
- @00005218: \$ 1 <= fbffffff
- @0000521c: \$ 4 <= fbffffff
- @00005228: \$ 2 <= 00100000
- @00005234: \$ 1 <= 00050000
- @00005238: \$ 4 <= 00040000
- @0000523c: \$ 4 <= 00050009
- @0000524c: \$ 2 <= fc050009
- @00005250: \$ 1 <= 007e0280
- @00005258: \$ 1 <= 0003f014
- @00005260: \$ 1 <= 000e0000
- @00005268: \$ 3 <= 000e0000
- @0000526c: \$ 2 <= 00000000
- e00000200. ψ 2 <− 00000000
- @00005270: \$ 3 <= ffffffff
- @00005274: \$ 1 <= 000d0000
- @00005278: \*00000000 <= 000d0000
- @00005290: \$ 1 <= 00000008
- @0000529c: \$ 2 <= 00000000
- @000052a4: \$ 1 <= 00000000
- @000052ac: \$ 3 <= 00050009
- @000052b0: \$ 2 <= 00000280
- @000052b4: \$ 3 <= 00050289
- @000052c8: \$ 3 <= 00000281
- @000052cc: \$ 1 <= 00000019
- @000052d0: \$ 2 <= 00000000
- €000002α0. Ψ 2 <= 00000000
- @000052d4: \$ 1 <= 19606d51 @000052dc: \$ 2 <= 00000004
- @000052e0: \$ 4 <= 000d0000
- @000052e8: \*00000004 <= 00000000
- @000052f4: \$ 2 <= 00000019
- @00005300: \*00000018 <= 00001900
- @0000530c: \$ 4 <= 00000019

- @00005310: \$ 4 <= 000c0000
- @00005314: \$ 3 <= 000c0000
- @00005318: \$ 4 <= 00180000
- @0000532c: \$ 1 <= 00000019
- @00005330: \*00000018 <= 00001900
- @00005334: \*00000018 <= 00001900
- @00005338: \$ 3 <= 00000000
- @00005340: \$ 3 <= 00000000
- @00005340: \$ 3 <= 00000000
- @00005344: \*00000000 <= 000d0000
- @00005348: \$ 4 <= 00010000
- @00005354: \$ 4 <= 00080000
- @00005358: \$ 2 <= 00100000
- @0000535c: \$ 1 <= 00000019
- @00005368: \$ 1 <= 00000000
- @00005384: \$ 2 <= 00000000
- @00005388: \$ 4 <= 00000000
- @0000538c: \$ 2 <= 0000000b
- @00005394: \$ 2 <= 0000000b
- @00005398: \*00000008 <= 0b000008
- @0000539c: \$ 2 <= 00080000
- @000053a4: \$ 4 <= 00080004
- @000053a8: \$ 2 <= 00080000
- @000053ac: \$ 4 <= 00080000
- @000053b0: \$ 2 <= 00080000
- @000053b8: \$ 1 <= 00080000
- @000053c0: \$ 3 <= 00000000
- @000053c4: \$ 3 <= 00000001
- @000053d0: \*00000000 <= 000d0100
- @000053d4: \$ 3 <= 00000000
- @000053d8: \$ 4 <= 0000000d
- @000053e0: \$ 2 <= 00000000
- @000053e4: \*0000000c <= 0f000000
- @000053e8: \$ 4 <= 00000000
- @000053ec: \$ 2 <= 00050000
- @000053f0: \$ 4 <= 00080000
- @000053f8: \$ 3 <= 00000040
- @00005400: \$ 2 <= 00000040
- @00005400: \$ 2 <= 00000040
- @00005408: \*00000040 <= 00000040
- @0000540c: \$ 4 <= 000a0000
- @00005414: \$ 2 <= 00020000
- @00005418: \$ 2 <= 00001000
- @00005424: \$ 3 <= 00001000

```
@00005438: $ 4 <= 00000000
```

- @0000543c: \$ 4 <= 00000000
- @00005444: \$ 2 <= 00000007
- @00005448: \$ 4 <= 00060000
- @00005450: \$ 4 <= 0006000e
- @00005454: \$ 3 <= 00000007
- @00005458: \$ 3 <= 00060000
- @00005468: \$ 3 <= 00060001
- @0000546c: \$ 1 <= 00000000
- @00005470: \*00000000 <= 000d0100
- @00005474: \$ 2 <= 00040000
- @00005478: \$ 3 <= 00070000
- @00005480: \$ 1 <= 00070000
- @0000548c: \$ 2 <= 00070000
- @00005498: \$ 3 <= 00070000
- @0000549c: \$ 1 <= 00070009
- @000054a0: \$ 4 <= 1c002400
- @000054a8: \$ 2 <= 00070009
- @000054b0: \$ 2 <= 00070000
- @000054bc: \$ 1 <= 00000031
- @000054c0: \*00000030 <= 0000310d
- @000054c8: \$ 2 <= 00000000
- @000054cc: \$ 1 <= 00000001
- @000054d0: \$ 2 <= 00000031
- @000054d8: \$ 1 <= 00000000
- @000054e0: \$ 2 <= 00030000
- @00005500: \$ 1 <= fffcffff
- @00005508: \$ 1 <= ffffffff
- @0000550c: \$ 2 <= 000a0000
- @00005510: \$ 3 <= 00000000
- @00005518: \$ 1 <= 000b0000
- @00005548: \$ 1 <= 000e0012
- @00005550: \$ 2 <= 00013401
- @00005550: \$ 2 <= 00013401
- @00005568: \$ 4 <= 00000000
- @0000556c: \$ 3 <= 00000100
- @00005570: \*00000000 <= 000d0100
- @00005574: \$ 2 <= 00020000
- @00005578: \$ 4 <= 00013401
- @0000557c: \$ 2 <= 00020000
- @00005580: \$ 4 <= 00013401
- @00005588: \$ 4 <= 00000000
- @00005594: \$ 1 <= 00000000
- @000055a8: \*00000000 <= 000d0100

- @000055b0: \$ 2 <= 00000000
- @000055b8: \*00000000 <= 000d0000
- @000055bc: \$ 4 <= 00000000
- @000055c0: \$ 1 <= 00000000 @000055c4: \*0000000 <= 000d0000
- @000055c8: \$ 1 <= 00000000
- @000055cc:  $$2 \le 00000001$
- @000055d4: \$ 1 <= 00000000
- @000055d8: \$ 3 <= 00000001
- @000055dc: \$ 2 <= 00000000
- @000055e0: \*00000000 <= 000d0000
- @000055e4: \$ 4 <= 00000000
- @000055e8: \$ 2 <= 0000000b
- @000055ec: \$ 2 <= 00000000
- @000055f0: \$ 3 <= 00090000
- @000055f4: \$ 2 <= 00000000
- @000055f8: \$ 2 <= 00000001
- @000055fc: \$ 1 <= 00000000
- @00005600: \$ 1 <= 00000000
- @00005604: \*00000000 <= 00000000
- @00005610: \$ 3 <= 000c0000
- @00005614: \$ 1 <= 00000000
- @00005618: \$ 2 <= 00000000
- @00005620: \$ 3 <= 00040000
- @00005624: \$ 4 <= 00000000
- @00005630: \$ 3 <= 00000000
- @00005638: \*00000000 <= 00000000
- @0000563c: \$ 2 <= 000e0000
- @00005640: \$ 4 <= 00000000
- @00005648: \*00000000 <= 00000000
- @00005650: \$ 2 <= 00000000
- @00005654: \$ 3 <= 00000000
- @0000565c: \$ 3 <= 00000004
- @00005660: \*00000004 <= 00000004
- @00005664: \$ 4 <= 00000000
- @00005668: \$ 3 <= 00000001
- @0000566c: \$ 2 <= 00000000
- @00005670: \$ 4 <= 00000000
- @00005674: \$ 1 <= 00000000
- @00005678: \*00000000 <= 00000000
- @0000567c: \$ 4 <= 00000001
- @00005684: \$ 4 <= 00000000
- @00005690: \$ 3 <= 00000000
- @00005694: \*00000000 <= 00000000

- @0000569c: \$ 3 <= 00000000
- @000056a8: \*00000000 <= 00000000
- @000056ac: \$ 2 <= 00000000
- @000056c0: \$ 4 <= 00000000
- @000056c4: \$ 1 <= 00000000
- @000056c8: \$ 4 <= 00000001
- $@000056d4: $ 4 \le 00000000$
- @000056d8: \$ 3 <= 00000000
- @000056e4: \$ 3 <= 00000000
- @000056e8: \$ 2 <= 000e0000
- @000056f0: \$ 2 <= 000e0000
- @000056f0: \$ 2 <= 000e0000
- @000056fc: \$ 4 <= 00000000
- $@00005700: $ 3 \le 00000000$
- $@00005704: $ 4 \le 00000000$
- $@00005708: $ 1 \le 00080000$
- @00005734: \$ 4 <= 00040000
- @0000573c: \$ 4 <= 00000000
- @00005740: \$ 2 <= 00000000
- @00005744: \$ 2 <= 00000000
- @00005748: \*00000000 <= 00000000
- @00005750: \*00000000 <= 00000000
- @00005754: \$ 4 <= 0000000e
- @0000575c: \*00000000 <= 00000000
- @00005760: \$ 2 <= 00060000
- @00005764: \$ 2 <= 00000000
- @0000576c: \$ 3 <= 00000000
- @00005770: \$ 1 <= 00050000
- @00005780: \$ 4 <= 000a0000
- @00005784: \$ 2 <= 000b0000
- @00005788: \$ 2 <= 000a0000
- @00005790: \$ 1 <= 000000a0
- @00005794: \$ 4 <= 00020000
- @00005798: \$ 3 <= 00000000
- @0000579c: \$ 4 <= 00020000
- @000057a0: \$ 4 <= 000c0000
- @000057b4: \$ 1 <= 00090000
- @000057bc: \$ 1 <= 00090000
- @000057cc: \$ 2 <= 00000000
- @00005766. \$ 2 \− 00000000
- @000057d0: \*00000000 <= 00000000
- @000057d4: \$ 4 <= 00000000
- @000057dc: \$ 2 <= 00000000
- @000057e0: \$ 2 <= 00000000
- @000057f0: \$ 1 <= 00000000

```
@000057f4: $ 1 <= 00000000
```

- @000057f8: \$ 4 <= 00000000
- @000057fc: \$ 1 <= 00060000
- @00005808: \$ 1 <= 000f0000
- @00005810: \$ 3 <= 00000000
- @00005810: \$ 3 <= 00000000
- @00005818: \$ 1 <= 00000000
- @0000581c: \*00000000 <= 00000000
- @00005824: \$ 3 <= 00000000
- @00005828: \$ 2 <= 00000009
- @0000582c: \$ 1 <= 00000000
- @00005830: \$ 2 <= 00000000
- @00005838: \$ 1 <= 00000000
- @00005844: \*00000000 <= 00000000
- @00005848: \*00000000 <= 00000000
- @0000584c: \$ 4 <= 00000000
- @00005850: \$ 4 <= 00000000
- @00005854: \$ 1 <= 00000005
- @00005860: \$ 2 <= 000000a0
- @00005868: \$ 4 <= 0000000b
- @00005870: \$ 2 <= 00000000
- @00005874: \*00000000 <= 00000000
- @00005878: \*00000008 <= 00000008
- @00005884: \$ 4 <= 00090000
- @0000588c: \$ 1 <= 00090000
- @00005894: \$ 4 <= 00000000
- @0000589c: \$ 1 <= 00000000
- @000058a0: \$ 1 <= 00000000
- @000058a4: \$ 1 <= 0000000e
- @000058b0: \$ 3 <= 00000000
- @000058b4: \$ 4 <= 00070000
- @000058b8: \$ 2 <= 00020000
- @000058bc: \$ 1 <= 00000001
- @000058cc: \$ 4 <= 00000001
- @000058d0: \$ 1 <= 00000001
- @000058d4: \*00000000 <= 00000100
- @000058d8: \*00000000 <= 00000100
- @000058dc: \$ 4 <= 000a0000
- @000058f4: \$ 2 <= 00040000
- @00005908: \$ 1 <= 00010000
- @00005910: \$ 4 <= 00000001
- @00005928: \$ 3 <= 00000001
- @00005930: \$ 3 <= 00000001
- @00005934: \$ 4 <= 00000001

- @00005938: \*00000000 <= 00000100
- @00005944: \$ 3 <= 00000001
- @00005948: \$ 2 <= 00000001
- @0000594c: \*00000000 <= 00000100
- @00005950: \$ 3 <= 00000001
- @0000595c: \$ 4 <= 00000002
- @00005960: \$ 1 <= 00000000
- @00005964: \$ 3 <= 00000000
- @00005968: \$ 1 <= 00000001
- @0000596c: \*00000000 <= 00020100
- @00005974: \$ 3 <= 00000000
- @0000597c: \$ 2 <= 00000009
- @00005988: \*00000008 <= 00000908
- @00005990: \$ 4 <= 00000000
- @00005994: \$ 1 <= 00000000
- @00005998: \$ 4 <= 00020100
- @000059a0: \$ 4 <= 00000004
- @000059ac: \$ 3 <= 00000004
- @000059b0: \$ 3 <= 00000010
- @000059b4: \$ 3 <= 00000000
- @000059b8: \$ 3 <= 00000000
- @000059bc: \$ 4 <= 00000002
- @000059c0: \$ 3 <= 00000000
- @000059c8: \$ 2 <= 00000000
- ₩00003968. φ 2 \= 00000000
- @000059d4: \$ 3 <= 00000100
- @000059d8: \$ 4 <= 00000000 @000059dc: \$ 1 <= 00000000
- @000059e4: \$ 2 <= 00000000
- @000059e8: \*00000000 <= 00020100
- @000059ec: \$ 1 <= 00000000
- @000059f4: \$ 4 <= 00070000
- @000059f8: \$ 1 <= 00000000
- @00005a00: \*00000000 <= 00020000
- @00005a04: \$ 4 <= 00000000
- @00005a08: \$ 3 <= 00000000
- @00005a10: \$ 1 <= 00000001
- @00005a10: \$ 1 <= 00000001
- @00005a14: \$ 2 <= 00070000
- @00005a18: \$ 4 <= 00050000
- @00005a20: \$ 4 <= 00000000
- @00005a24: \$ 1 <= 00000000
- @00005a28: \$ 3 <= 00020000
- @00005a38: \$ 1 <= 0002000e
- @00005a48: \$ 2 <= 08003800

```
@00005a50: $ 2 <= 00040000
```

- @00005a5c: \$ 3 <= 00040008
- @00005a70: \$ 3 <= 00040002
- @00005a74: \$ 3 <= 00090000
- @00005a80: \$ 1 <= 00020000
- @00005a88: \$ 2 <= 00000000
- @00005a90: \*00000000 <= 00020000
- @00005a98: \$ 1 <= 00000000
- @00005a9c: \$ 4 <= 00020000
- @00005aa4: \$ 2 <= 00030000
- @00005ab0: \$ 2 <= 00090000
- @00005ab4: \$ 3 <= 00000000
- @00005ab8: \$ 1 <= 000b0000
- @00005ac0: \$ 3 <= 00000006
- @00005ac4: \$ 3 <= 00000018
- @00005ae0: \$ 4 <= 00001900
- @00005ae8: \$ 4 <= 00000019
- @00005aec: \$ 3 <= 00000001
- @00005b00: \$ 4 <= 00000000
- @00005b08: \$ 3 <= 00000000
- @00005b10: \$ 4 <= 00020000
- ₩00003b10. \$ 4 \= 00020000
- @00005b10: \$ 4 <= 00020000
- @00005b14: \$ 2 <= 00000000
- @00005b1c: \$ 2 <= 0000000a
- @00005b2c: \$ 1 <= 00000000
- @00005b38: \$ 2 <= 00000000
- @00005b4c: \$ 3 <= 00000000
- @00005b50: \$ 3 <= 00000000
- @00005b58: \$ 4 <= 0000000c
- @00005b60: \$ 3 <= 00080000
- @00005b68: \$ 2 <= 00020000
- @00005b70: \$ 2 <= 00040000
- @00005b78: \$ 1 <= 00000000
- @00005b80: \$ 4 <= 00000007
- @00005b88: \$ 4 <= 00000000
- @00005b94: \$ 2 <= 00000000
- @00005b9c: \$ 1 <= 00000000
- @00005bb4: \$ 3 <= 00000000
- @00005bb8: \$ 4 <= 00000000
- @00005bbc: \$ 4 <= 00000000
- @00005bc0: \*00000000 <= 00020000
- @00005bd0: \$ 1 <= 00000000
- @00005bd0: \$ 1 <= 00000000
- @00005be0: \$ 3 <= 00000000

```
@00005be8: $ 1 <= 000e0000
```

- @00005bf0: \$ 1 <= 00001c00
- @00005bf4: \$ 2 <= 00000000
- @00005bfc: \$ 1 <= 0000000a
- @00005c00: \$ 1 <= 00000000
- @00005c04: \$ 4 <= 00000000
- @00005c08: \$ 3 <= 00000001
- @00005c0c: \$ 1 <= 00000001
- @00005c14: \$ 2 <= 00000000
- @00005c24: \$ 1 <= 00000000
- @00005c30: \$ 3 <= 00000000
- @00005c34: \$ 1 <= 00000000
- @00005c38: \$ 1 <= 00000000
- @00005c3c: \$ 1 <= 00000001
- @00005c40: \$ 3 <= 00030000
- @00005c44: \$ 4 <= 00000000
- @00005c4c: \$ 1 <= 00000000
- @00005c50: \$ 1 <= 00000000
- @00005c54: \$ 1 <= 00000000
- @00005c58: \$ 1 <= 00000000
- @00005c5c: \$ 4 <= 00000000
- @00005c64: \$ 2 <= 00000000
- @00005c68: \*00000000 <= 00020000
- @00005c70: \$ 2 <= 00030000
- @00005c78: \$ 1 <= 000e0000
- @00005c80: \$ 3 <= 000e0000
- @00005c90: \$ 1 <= 00030000
- @00005c94: \$ 1 <= 00060000
- @00005cb0: \$ 4 <= 00000000
- @00005cb4: \$ 1 <= 00000000
- @00005cbc: \$ 2 <= 00000000
- @00005cc0: \$ 3 <= 00000000
- @00005cc4: \$ 3 <= 00000000
- @00005cc8: \*00000000 <= 00020000
- @00005ccc: \*00000000 <= 00000000
- @00005cd0: \$ 4 <= 00000000
- @00005cd4: \*00000000 <= 00000000
- @00005cdc: \$ 3 <= 00080000
- @00005ce0: \$ 3 <= 00000000
- @00005ce4: \$ 3 <= 00000007
- @00005cec: \$ 4 <= 00000000
- @00005cf0: \$ 3 <= 00050000
- @00005cf4: \*00000000 <= 00000000
- @00005cf8: \$ 1 <= 00050000

- @00005d00: \$ 4 <= 00000000
- @00005d04: \$ 4 <= 00050000
- @00005d0c: \$ 1 <= 02800000
- @00005d14: \$ 3 <= 80000000
- @00005d18: \$ 4 <= 00000000
- @00005d20: \*00000000 <= 00000000
- @00005d24: \$ 4 <= 00000000
- @00005d28: \*00000000 <= 00000000
- @00005d2c: \$ 3 <= 00000000
- @00005d30: \$ 4 <= 00000000
- @00005d34: \*00000000 <= 00000000
- @00005d38: \$ 2 <= 00000000
- @00005d4c: \$ 1 <= 00000001
- @00005d50: \$ 4 <= 00030000
- @00005d54: \$ 1 <= 00010000
- @00005d5c: \$ 4 <= 00090000
- @00005d64: \$ 4 <= 00000000
- @00005d6c: \$ 4 <= 00090000
- @00005d70: \$ 2 <= 00090000
- @00005d74: \$ 3 <= 00090000
- @00005d88: \$ 4 <= 0009000e
- @00005d98: \$ 4 <= 000e0000
- @00005dac: \$ 3 <= 00000000
- @00005db4: \$ 2 <= 00000000
- @00005db8: \$ 3 <= 00040000
- @00005dbc: \$ 4 <= 00000000
- @00005dc0: \$ 1 <= 00000009
- @00005dc4: \$ 4 <= fffffff7
- @00005dcc: \$ 3 <= 00050000
- @00005dd0: \$ 4 <= 00000000
- @00005dd4: \$ 2 <= ffffffee
- @00005dd8: \$ 4 <= 00000000
- @00005de0: \$ 2 <= 000d0000
- @00005de4: \$ 1 <= ffffffff
- @00005df0: \$ 4 <= ffffffff
- @00005df4: \$ 4 <= 00000000
- @00005df8: \$ 2 <= ffffffee
- @00005dfc: \$ 3 <= ffffffff
- @00005e04: \$ 2 <= 00060000
- @00005e08: \$ 4 <= 00000001
- @00005e10: \$ 1 <= 00000010
- @00005e18: \$ 2 <= 000b0000
- @00005e20: \$ 4 <= 00000000
- @00005e24: \$ 3 <= 00050000

```
@00005e28: $ 3 <= 00000000
@00005e34: $ 3 <= 00000000
@00005e40: $ 1 <= 00000000
@00005e44: $ 1 <= 00000000
@00005e48: $ 3 <= 00000000
@00005e50: $ 3 <= 00080000
@00005e50: $ 3 <= 00080000
@00005e58: $ 2 <= 00000010
@00005e68: $ 4 <= 00000000
@00005e70: $ 1 <= 00020000
@00005e74: $ 3 <= 000b0000
@00005e7c: $ 1 <= 000b0004
@00005e80: $ 3 <= 000a0000
@00005e94: $ 3 <= 000b0000
@00005ea8: $ 3 <= 000b0000
@00005eb4: $ 3 <= 00000000
@00005ec0: $ 1 <= 00000008
@00005ecc: $ 1 <= 000e0000
@00005ed8: $ 3 <= 00000000
@00005edc: $ 3 <= 000e0005
@00005ee4: $ 4 <= 00000000
@00005ee8: $ 2 <= 000e0005
@00005eec: $ 2 <= 00000000
@00005ef8: $ 3 <= 00000000
@00005efc: $ 1 <= 000c0000
@00005f08: $ 2 <= fff3ffff
@00005f0c: $ 2 <= ffe7fffe
@00005f20: $ 2 <= 00000000
@00005f24: $ 4 <= 00000000
@00005f2c: *00000000 <= 00000000
@00005f30: $ 1 <= 00000000
@00005f40: *00000000 <= 00000000
@00005f44: $ 2 <= 00000000
```

## 4. 综合测试

@00005f54: \$ 4 <= 00000000 @00005f5c: \$ 4 <= 00000001 @00005f64: \$ 3 <= 00000000

ori \$1, \$0, 8

ori \$2, \$0, 9

ori \$3, \$0, 4

ori \$4, \$0, 7

sw \$1, 0(\$0)

sw \$4, 4(\$0)

- sw \$4, 8(\$0)
- sw \$3, 12(\$0)
- sw \$3, 16(\$0)
- sw \$1, 20(\$0)
- sw \$2, 24(\$0)
- sw \$1, 28(\$0)
- sw \$1, 32(\$0)
- sw \$2, 36(\$0)
- sw \$2, 40(\$0)
- sw \$1, 44(\$0)
- sw \$4, 48(\$0)
- sw \$1, 52(\$0)
- sw \$1, 56(\$0)
- sw \$1, 60(\$0)
- sw \$3, 64(\$0)
- sw \$3, 68(\$0)
- sw \$3, 72(\$0)
- sw \$3, 76(\$0)
- sw \$3, 80(\$0)
- sw \$2, 84(\$0)
- sw \$2, 88(\$0)
- 4- --/4-1
- sw \$2, 92(\$0) sw \$4, 96(\$0)
- sw \$2, 100(\$0)
- sw \$3, 104(\$0)
- sw \$4, 108(\$0)
- sw \$1, 112(\$0)
- sw \$2, 116(\$0)
- sw \$3, 120(\$0)
- sw \$1, 124(\$0)
- mtlo \$2
- addiu \$1, \$2, 12
- sb \$1, 0(\$1)
- srl \$3, \$2, 15
- TAG1:
- mflo \$1
- sb \$3, 0(\$1)
- lh \$1, 0(\$3)
- mtlo \$1
- TAG2:
- mtlo \$1
- lui \$3, 1
- mult \$3, \$3
- lui \$3, 14

TAG3:

slt \$3, \$3, \$3

and \$1, \$3, \$3

sw \$3, 0(\$1)

mflo \$4

TAG4:

blez \$4, TAG5

multu \$4, \$4

sb \$4, 0(\$4)

addi \$2, \$4, 11

TAG5:

lui \$1, 9

bne \$2, \$1, TAG6

or \$4, \$2, \$2

beq \$2, \$2, TAG6

TAG6:

lui \$4, 13

nor \$1, \$4, \$4

beq \$1, \$4, TAG7

srlv \$3, \$1, \$4

TAG7:

sll \$0, \$0, 0

div \$3, \$4

andi \$3, \$4, 15

sll \$0, \$0, 0

TAG8:

sltiu \$2, \$4, 15

bne \$4, \$4, TAG9

sltiu \$1, \$4, 6

mtlo \$2

TAG9:

sb \$1, 0(\$1)

lui \$1, 10

srl \$3, \$1, 6

lui \$2, 7

TAG10:

addiu \$2, \$2, 10

ori \$1, \$2, 3

sll \$0, \$0, 0

andi \$2, \$3, 2

TAG11:

mflo \$1

lui \$3, 10

addu \$4, \$3, \$1

sll \$0, \$0, 0

TAG12:

mult \$4, \$4

sll \$0, \$0, 0

mflo \$3

bne \$3, \$3, TAG13

TAG13:

mthi \$3

mflo \$4

mult \$3, \$4

lw \$2, 0(\$3)

TAG14:

lui \$4, 13

mult \$4, \$4

mult \$2, \$4

bgez \$4, TAG15

TAG15:

mflo \$3

mult \$3, \$4

bne \$4, \$3, TAG16

lui \$2, 11

TAG16:

sll \$0, \$0, 0

mfhi \$3

srl \$2, \$3, 6

sw \$2, 0(\$2)

TAG17:

mult \$2, \$2

lui \$2, 5

mflo \$2

sh \$2, 0(\$2)

TAG18:

beq \$2, \$2, TAG19

lbu \$4, 0(\$2)

bne \$4, \$2, TAG19

lui \$1, 11

TAG19:

beq \$1, \$1, TAG20

lui \$2, 4

mflo \$4

blez \$1, TAG20

TAG20:

sltiu \$1, \$4, 3

multu \$4, \$4

or \$1, \$1, \$1

sll \$2, \$4, 11

TAG21:

mflo \$3

bgtz \$2, TAG22

mfhi \$2

slt \$2, \$2, \$3

TAG22:

mthi \$2

mult \$2, \$2

addu \$1, \$2, \$2

lui \$3, 8

TAG23:

mflo \$2

xor \$4, \$2, \$2

nor \$4, \$2, \$3

bne \$4, \$2, TAG24

TAG24:

and \$3, \$4, \$4

slt \$4, \$4, \$3

mthi \$3

mflo \$3

TAG25:

mthi \$3

lui \$1, 10

subu \$4, \$3, \$1

subu \$2, \$3, \$1

TAG26:

bgtz \$2, TAG27

xori \$4, \$2, 3

lui \$2, 0

sll \$0, \$0, 0

TAG27:

sll \$0, \$0, 0

lui \$2, 15

mfhi \$4

blez \$2, TAG28

TAG28:

lui \$3, 13

sra \$3, \$3, 12

srl \$4, \$3, 6

bgtz \$3, TAG29

TAG29:

lbu \$3, 0(\$4)

lui \$3, 2

lui \$3, 8

xori \$3, \$4, 8

TAG30:

subu \$3, \$3, \$3

sltu \$2, \$3, \$3

bne \$2, \$3, TAG31

and \$2, \$3, \$2

TAG31:

bne \$2, \$2, TAG32

addiu \$1, \$2, 7

mtlo \$2

mtlo \$2

TAG32:

lui \$4, 10

lui \$1, 15

divu \$1, \$4

mult \$4, \$1

TAG33:

blez \$1, TAG34

divu \$1, \$1

bne \$1, \$1, TAG34

lui \$1, 15

TAG34:

xor \$3, \$1, \$1

sra \$2, \$3, 10

lui \$1, 4

lui \$3, 13

TAG35:

lui \$3, 6

sll \$0, \$0, 0

bne \$3, \$3, TAG36

div \$1, \$3

TAG36:

mult \$1, \$1

bgez \$1, TAG37

lui \$2, 7

lui \$1, 4

TAG37:

mtlo \$1

lui \$4, 2

divu \$1, \$1

divu \$4, \$4

TAG38:

multu \$4, \$4

lui \$3, 9

mult \$3, \$3

mtlo \$4

TAG39:

div \$3, \$3

mflo \$1

ori \$3, \$3, 5

mflo \$4

TAG40:

mtlo \$4

beq \$4, \$4, TAG41

sb \$4, 0(\$4)

mfhi \$2

TAG41:

sll \$0, \$0, 0

nor \$2, \$2, \$2

lui \$1, 6

andi \$1, \$1, 8

TAG42:

mflo \$4

lw \$3, 0(\$1)

mthi \$1

bltz \$1, TAG43

TAG43:

sltu \$1, \$3, \$3

bne \$1, \$1, TAG44

sh \$3, 0(\$1)

lhu \$4, -256(\$3)

TAG44:

sltiu \$3, \$4, 1

bltz \$3, TAG45

mfhi \$1

beq \$3, \$3, TAG45

TAG45:

slti \$1, \$1, 0

mfhi \$3

lh \$2, 0(\$1)

mflo \$2

TAG46:

bltz \$2, TAG47

lb \$4, 0(\$2)

beq \$4, \$4, TAG47

ori \$4, \$2, 4

TAG47:

bltz \$4, TAG48

mtlo \$4

lui \$4, 14

xori \$3, \$4, 12

TAG48:

mult \$3, \$3

bltz \$3, TAG49

mtlo \$3

sllv \$3, \$3, \$3

TAG49:

xor \$3, \$3, \$3

add \$4, \$3, \$3

or \$4, \$3, \$3

lb \$2, 0(\$3)

TAG50:

lui \$3, 9

mfhi \$3

mflo \$2

.. .. .

div \$3, \$2

TAG51:

div \$2, \$2

bgtz \$2, TAG52

mthi \$2

sh \$2, 0(\$2)

TAG52:

srl \$2, \$2, 1

bne \$2, \$2, TAG53

lui \$3, 8

sII \$0, \$0, 0

TAG53:

sll \$3, \$2, 4

andi \$2, \$2, 9

beq \$2, \$3, TAG54

mfhi \$4

TAG54:

srl \$2, \$4, 5

lw \$1, -28672(\$2)

xor \$3, \$1, \$1

lui \$2, 7

TAG55:

sll \$0, \$0, 0

sll \$0, \$0, 0

sII \$0, \$0, 0

mthi \$2

TAG56:

bne \$3, \$3, TAG57

lui \$1, 4

mflo \$1

mthi \$3

TAG57:

multu \$1, \$1

mthi \$1

lui \$4, 2

sll \$0, \$0, 0

TAG58:

addiu \$3, \$4, 14

sII \$0, \$0, 0

sll \$0, \$0, 0

bltz \$4, TAG59

TAG59:

xori \$3, \$4, 2

mfhi \$2

mtlo \$4

bgez \$2, TAG60

TAG60:

div \$2, \$2

mthi \$2

xor \$2, \$2, \$2

subu \$4, \$2, \$2

TAG61:

blez \$4, TAG62

andi \$4, \$4, 13

bgtz \$4, TAG62

lui \$4, 1

TAG62:

lw \$3, 0(\$4)

sw \$3, -256(\$3)

sb \$4, 0(\$4)

sw \$4, -256(\$3)

TAG63:

beq \$3, \$3, TAG64

multu \$3, \$3

blez \$3, TAG64

srlv \$2, \$3, \$3

TAG64:

lw \$4, 0(\$2)

lb \$3, 0(\$2)

beq \$2, \$4, TAG65

mult \$3, \$2

TAG65:

bltz \$3, TAG66

lw \$2, 0(\$3)

mult \$3, \$3

lhu \$4, 0(\$2)

TAG66:

bne \$4, \$4, TAG67

srlv \$2, \$4, \$4

lui \$2, 11

div \$2, \$2

TAG67:

div \$2, \$2

mult \$2, \$2

lui \$3, 9

bne \$2, \$2, TAG68

TAG68:

sll \$0, \$0, 0

sra \$2, \$3, 9

sw \$3, 0(\$4)

div \$3, \$2

TAG69:

mtlo \$2

lui \$1, 15

beq \$2, \$1, TAG70

lui \$3, 0

TAG70:

bne \$3, \$3, TAG71

mflo \$3

multu \$3, \$3

sra \$1, \$3, 12

TAG71:

sw \$1, 0(\$1)

lh \$3, 0(\$1)

sb \$3, 0(\$1)

beq \$3, \$1, TAG72

TAG72:

sra \$1, \$3, 13

sh \$1, 0(\$1)

lb \$2, 0(\$3)

add \$1, \$2, \$2

TAG73:

bltz \$1, TAG74

lh \$3, 0(\$1)

bgtz \$1, TAG74

Ih \$3, 0(\$3)

TAG74:

blez \$3, TAG75

xor \$2, \$3, \$3

lui \$1, 13

bgez \$1, TAG75

TAG75:

lui \$3, 5

andi \$2, \$3, 5

sub \$2, \$1, \$1

addiu \$4, \$1, 5

TAG76:

lb \$1, 0(\$4)

sll \$2, \$1, 11

mtlo \$1

mthi \$2

TAG77:

lw \$2, 0(\$2)

sb \$2, 0(\$2)

sltiu \$1, \$2, 0

multu \$2, \$2

TAG78:

mtlo \$1

mfhi \$4

mtlo \$1

srl \$4, \$4, 9

TAG79:

sb \$4, 0(\$4)

multu \$4, \$4

lb \$1, 0(\$4)

lw \$1, 0(\$1)

TAG80:

slt \$3, \$1, \$1

bgez \$3, TAG81

lb \$1, 0(\$3)

sw \$1, 0(\$3)

TAG81:

lw \$3, 0(\$1)

addu \$1, \$3, \$3

lui \$3, 10

multu \$3, \$1

TAG82:

multu \$3, \$3

lui \$1, 15

sltiu \$4, \$3, 12

ori \$2, \$3, 11

TAG83:

bltz \$2, TAG84

divu \$2, \$2

sll \$3, \$2, 12

mflo \$4

TAG84:

lui \$4, 6

divu \$4, \$4

divu \$4, \$4

bne \$4, \$4, TAG85

TAG85:

mthi \$4

sll \$0, \$0, 0

lui \$2, 4

beq \$4, \$4, TAG86

TAG86:

sllv \$1, \$2, \$2

mflo \$1

lui \$3, 12

bltz \$1, TAG87

TAG87:

sll \$0, \$0, 0

sltu \$4, \$3, \$3

sra \$2, \$4, 3

mfhi \$3

TAG88:

bgtz \$3, TAG89

sll \$0, \$0, 0

bne \$3, \$3, TAG89

divu \$3, \$3

TAG89:

mtlo \$3

mfhi \$1

addiu \$4, \$1, 12

sll \$0, \$0, 0

TAG90:

blez \$4, TAG91

sllv \$1, \$4, \$4

mult \$1, \$1

mflo \$4

TAG91:

sll \$0, \$0, 0

mthi \$4

and \$2, \$4, \$4

addiu \$1, \$4, 13

TAG92:

mtlo \$1

sll \$0, \$0, 0

mult \$1, \$1

mthi \$1

TAG93:

addiu \$4, \$1, 1

sll \$0, \$0, 0

mtlo \$1

bltz \$4, TAG94

TAG94:

sll \$0, \$0, 0

bgtz \$4, TAG95

mult \$4, \$4

sll \$0, \$0, 0

TAG95:

mtlo \$2

subu \$3, \$2, \$2

subu \$3, \$2, \$2

multu \$3, \$3

TAG96:

sh \$3, 0(\$3)

and \$4, \$3, \$3

mfhi \$4

mthi \$4

TAG97:

sltiu \$3, \$4, 6

lui \$1, 8

bgez \$4, TAG98

mflo \$3

TAG98:

nor \$1, \$3, \$3

lb \$1, 1(\$1)

sra \$4, \$1, 12

lui \$1, 11

TAG99:

sll \$0, \$0, 0

bne \$1, \$1, TAG100

lui \$1, 13

lui \$2, 3

TAG100:

sra \$3, \$2, 9

bgez \$2, TAG101

mfhi \$2

slt \$3, \$2, \$3

TAG101:

sltu \$3, \$3, \$3

lui \$3, 12

mtlo \$3

mfhi \$3

TAG102:

lui \$3, 12

sll \$0, \$0, 0

sra \$3, \$3, 15

div \$3, \$3

TAG103:

bgtz \$3, TAG104

mult \$3, \$3

lui \$1, 4

slti \$4, \$3, 2

TAG104:

multu \$4, \$4

sw \$4, 0(\$4)

Ih \$4, 0(\$4)

beq \$4, \$4, TAG105

TAG105:

lb \$1, 0(\$4)

beq \$4, \$1, TAG106

mthi \$1

or \$4, \$4, \$4

TAG106:

bgtz \$4, TAG107

sh \$4, 0(\$4)

mtlo \$4

sra \$3, \$4, 2

TAG107:

mult \$3, \$3

beq \$3, \$3, TAG108

slt \$1, \$3, \$3

slti \$3, \$3, 0

TAG108:

bgtz \$3, TAG109

mult \$3, \$3

lb \$3, 0(\$3)

lh \$1, 0(\$3)

TAG109:

sh \$1, 0(\$1)

mthi \$1

sra \$3, \$1, 7

mult \$1, \$3

TAG110:

mult \$3, \$3

lui \$4, 9

mthi \$4

bgtz \$4, TAG111

TAG111:

div \$4, \$4

and \$4, \$4, \$4

beq \$4, \$4, TAG112

sll \$0, \$0, 0

TAG112:

mflo \$3

srlv \$1, \$3, \$3

addiu \$3, \$3, 15

sltiu \$3, \$1, 9

TAG113:

xori \$3, \$3, 4

lui \$1, 12

nor \$3, \$3, \$3

sh \$3, 6(\$3)

TAG114:

lui \$4, 0

srlv \$3, \$4, \$3

mfhi \$4

sb \$4, 0(\$3)

TAG115:

mflo \$3

lbu \$4, 0(\$4)

mthi \$4

andi \$4, \$3, 1

TAG116:

lui \$1, 10

sb \$4, 0(\$4)

or \$3, \$1, \$4

bne \$4, \$3, TAG117

TAG117:

slt \$4, \$3, \$3

mflo \$2

xori \$2, \$3, 7

lui \$3, 2

TAG118:

or \$3, \$3, \$3

nor \$3, \$3, \$3

mfhi \$1

beq \$3, \$3, TAG119

TAG119:

multu \$1, \$1

sb \$1, 0(\$1)

sltu \$3, \$1, \$1

beq \$1, \$3, TAG120

TAG120:

mthi \$3

mfhi \$1

bne \$1, \$1, TAG121

lui \$2, 1

TAG121:

sll \$0, \$0, 0

lui \$3, 13

bgtz \$3, TAG122

sltiu \$2, \$3, 1

TAG122:

mtlo \$2

mtlo \$2

sh \$2, 0(\$2)

sra \$2, \$2, 4

TAG123:

multu \$2, \$2

mfhi \$2

nor \$4, \$2, \$2

xori \$1, \$4, 8

TAG124:

bgtz \$1, TAG125

srlv \$2, \$1, \$1

sw \$2, 9(\$1)

mthi \$2

TAG125:

bgez \$2, TAG126

subu \$4, \$2, \$2

blez \$2, TAG126

mthi \$2

TAG126:

lhu \$4, 0(\$4)

subu \$4, \$4, \$4

lui \$4, 15

bltz \$4, TAG127

TAG127:

sll \$0, \$0, 0

mthi \$4

mthi \$4

sll \$0, \$0, 0

TAG128:

bne \$4, \$4, TAG129

lui \$2, 13

lui \$3, 4

sll \$0, \$0, 0

TAG129:

mfhi \$2

sll \$0, \$0, 0

sll \$0, \$0, 0

sllv \$3, \$1, \$1

TAG130:

divu \$3, \$3

bne \$3, \$3, TAG131

mthi \$3

mfhi \$1

TAG131:

andi \$3, \$1, 9

blez \$1, TAG132

mult \$1, \$3

beq \$1, \$1, TAG132

TAG132:

addi \$1, \$3, 2

divu \$3, \$1

bne \$3, \$1, TAG133

multu \$1, \$3

TAG133:

bne \$1, \$1, TAG134

sra \$4, \$1, 8

andi \$1, \$4, 5

lh \$3, 0(\$1)

TAG134:

blez \$3, TAG135

lw \$1, -511(\$3)

lui \$1, 3

bne \$1, \$1, TAG135

TAG135:

sll \$0, \$0, 0

and \$3, \$1, \$3

bgez \$3, TAG136

ori \$3, \$1, 4

TAG136:

beq \$3, \$3, TAG137

srlv \$3, \$3, \$3

mthi \$3

srlv \$4, \$3, \$3

TAG137:

mfhi \$4

blez \$4, TAG138

sb \$4, 0(\$4)

andi \$3, \$4, 4

TAG138:

sb \$3, -12288(\$3)

addiu \$2, \$3, 9

beq \$2, \$3, TAG139

addu \$3, \$3, \$3

TAG139:

divu \$3, \$3

mthi \$3

lhu \$4, -24576(\$3)

lb \$4, -256(\$4)

TAG140:

mtlo \$4

lb \$3, 0(\$4)

multu \$3, \$3

lbu \$1, 0(\$3)

TAG141:

sll \$3, \$1, 8

srlv \$2, \$1, \$1

multu \$2, \$2

lui \$2, 7

TAG142:

mthi \$2

andi \$1, \$2, 8

ori \$3, \$1, 11

mtlo \$3

TAG143:

sb \$3, 0(\$3)

lui \$2, 5

mtlo \$2

bgez \$2, TAG144

TAG144:

lui \$4, 1

or \$1, \$2, \$2

div \$1, \$4

mtlo \$2

TAG145:

srlv \$3, \$1, \$1

mfhi \$2

bgez \$3, TAG146

sh \$1, 0(\$2)

TAG146:

mult \$2, \$2

bne \$2, \$2, TAG147

mfhi \$4

beq \$4, \$2, TAG147

TAG147:

mflo \$2

lbu \$2, 0(\$4)

mtlo \$2

mfhi \$4

TAG148:

sw \$4, 0(\$4)

mfhi \$2

beq \$2, \$2, TAG149

sll \$1, \$4, 7

TAG149:

bltz \$1, TAG150

sltiu \$3, \$1, 1

lb \$4, 0(\$3)

srav \$4, \$3, \$4

TAG150:

mult \$4, \$4

sra \$1, \$4, 9

mfhi \$1

addu \$4, \$4, \$4

TAG151:

multu \$4, \$4

slti \$4, \$4, 5

sb \$4, 0(\$4)

sltiu \$2, \$4, 10

TAG152:

sb \$2, 0(\$2)

andi \$4, \$2, 5

lbu \$4, 0(\$2)

lui \$2, 9

TAG153:

lui \$4, 12

sll \$0, \$0, 0

mthi \$4

xori \$3, \$4, 7

TAG154:

beq \$3, \$3, TAG155

div \$3, \$3

mult \$3, \$3

addu \$3, \$3, \$3

TAG155:

srlv \$3, \$3, \$3

sll \$1, \$3, 10

mthi \$3

mfhi \$4

TAG156:

sll \$0, \$0, 0

sllv \$1, \$3, \$3

bne \$1, \$3, TAG157

divu \$4, \$3

TAG157:

lui \$4, 0

sw \$4, 0(\$4)

nor \$1, \$4, \$4

mtlo \$1

TAG158:

sw \$1, 1(\$1)

bne \$1, \$1, TAG159

addiu \$4, \$1, 9

bne \$1, \$1, TAG159

TAG159:

andi \$1, \$4, 0

sh \$4, 0(\$1)

sra \$1, \$1, 7

mfhi \$2

TAG160:

bne \$2, \$2, TAG161

mtlo \$2

bne \$2, \$2, TAG161

mult \$2, \$2

TAG161:

addi \$2, \$2, 10

sh \$2, 0(\$2)

lui \$4, 3

mtlo \$2

TAG162:

mthi \$4

ori \$4, \$4, 5

mfhi \$3

mflo \$4

TAG163:

lhu \$1, 0(\$4)

div \$1, \$4

sltu \$4, \$4, \$4

lh \$3, 0(\$4)

TAG164:

srlv \$4, \$3, \$3

lb \$2, 0(\$3)

bne \$4, \$2, TAG165

lui \$2, 11

TAG165:

addu \$3, \$2, \$2

sll \$0, \$0, 0

mtlo \$3

bne \$2, \$3, TAG166

TAG166:

sll \$0, \$0, 0

sll \$0, \$0, 0

sll \$0, \$0, 0

ori \$2, \$3, 7

TAG167:

mfhi \$1

mfhi \$3

lui \$4, 13

blez \$2, TAG168

TAG168:

lui \$1, 14

div \$1, \$1

bne \$4, \$4, TAG169

sra \$3, \$1, 11

TAG169:

beq \$3, \$3, TAG170

mflo \$1

lui \$1, 13

mfhi \$4

TAG170:

lui \$1, 7

slti \$4, \$1, 7

bne \$4, \$4, TAG171

addiu \$1, \$4, 9

TAG171:

lbu \$1, 0(\$1)

xori \$2, \$1, 4

mult \$1, \$2

lui \$2, 0

TAG172:

mult \$2, \$2

bgtz \$2, TAG173

sb \$2, 0(\$2)

beq \$2, \$2, TAG173

TAG173:

lui \$3, 13

mflo \$1

sll \$0, \$0, 0

mfhi \$2

TAG174:

lh \$2, 0(\$2)

bne \$2, \$2, TAG175

mthi \$2

lh \$4, 0(\$2)

TAG175:

bne \$4, \$4, TAG176

mfhi \$2

lui \$2, 7

addi \$3, \$4, 6

TAG176:

beq \$3, \$3, TAG177

xor \$3, \$3, \$3

lbu \$1, 0(\$3)

beq \$3, \$3, TAG177

TAG177:

multu \$1, \$1

sltu \$2, \$1, \$1

mflo \$3

mthi \$1

TAG178:

mtlo \$3

xor \$2, \$3, \$3

addiu \$1, \$2, 8

lbu \$3, 0(\$2)

TAG179:

sll \$4, \$3, 0

lbu \$2, 0(\$4)

lui \$2, 4

mult \$2, \$4

TAG180:

mthi \$2

mtlo \$2

mthi \$2

lui \$1, 4

TAG181:

subu \$1, \$1, \$1

bne \$1, \$1, TAG182

mult \$1, \$1

bne \$1, \$1, TAG182

TAG182:

sra \$4, \$1, 11

mthi \$4

lw \$2, 0(\$4)

lw \$3, 0(\$4)

TAG183:

andi \$2, \$3, 9

blez \$3, TAG184

lui \$3, 3

sw \$3, 0(\$3)

TAG184:

addu \$3, \$3, \$3

mtlo \$3

slti \$4, \$3, 11

mtlo \$3

TAG185:

mtlo \$4

lui \$1, 12

lb \$3, 0(\$4)

lhu \$4, 0(\$3)

TAG186:

bgez \$4, TAG187

mult \$4, \$4

sb \$4, 0(\$4)

lbu \$2, 0(\$4)

TAG187:

mfhi \$2

or \$4, \$2, \$2

nor \$2, \$2, \$2

multu \$4, \$2

TAG188:

divu \$2, \$2

and \$3, \$2, \$2

subu \$4, \$2, \$3

addu \$3, \$3, \$2

TAG189:

bgez \$3, TAG190

mfhi \$2

Ih \$3, 0(\$2)

srlv \$1, \$3, \$3

TAG190:

sw \$1, 0(\$1)

beq \$1, \$1, TAG191

lui \$4, 0

lui \$2, 14

TAG191:

lui \$3, 13

sh \$2, 0(\$2)

beq \$3, \$3, TAG192

sw \$2, 0(\$2)

TAG192:

bne \$3, \$3, TAG193

sll \$0, \$0, 0

sll \$0, \$0, 0

mthi \$3

TAG193:

div \$3, \$3

mthi \$3

addiu \$2, \$3, 0

bne \$2, \$3, TAG194

TAG194:

lui \$2, 7

mtlo \$2

lui \$2, 5

mflo \$3

TAG195:

sll \$0, \$0, 0

beq \$3, \$3, TAG196

sll \$0, \$0, 0

slt \$4, \$3, \$3

TAG196:

mult \$4, \$4

beq \$4, \$4, TAG197

mthi \$4

mfhi \$4

TAG197:

mflo \$4

slt \$4, \$4, \$4

lb \$1, 0(\$4)

lhu \$1, 0(\$4)

TAG198:

lbu \$1, 0(\$1)

mflo \$4

lbu \$1, 0(\$4)

mult \$1, \$1

TAG199:

srl \$2, \$1, 6

blez \$1, TAG200

mult \$1, \$2

add \$2, \$1, \$1

TAG200:

mult \$2, \$2

bne \$2, \$2, TAG201

sh \$2, 0(\$2)

add \$1, \$2, \$2

TAG201:

lw \$3, 0(\$1)

beq \$1, \$3, TAG202

multu \$1, \$3

bgtz \$1, TAG202

TAG202:

addi \$2, \$3, 10

mthi \$3

lhu \$2, 0(\$2)

beq \$2, \$3, TAG203

TAG203:

slti \$3, \$2, 0

mthi \$2

mfhi \$4

addu \$2, \$3, \$2

TAG204:

multu \$2, \$2

sll \$1, \$2, 14

sb \$1, 0(\$2)

sll \$0, \$0, 0

TAG205:

mult \$3, \$3

srlv \$1, \$3, \$3

add \$1, \$1, \$3

sh \$1, 0(\$3)

TAG206:

mthi \$1

sll \$1, \$1, 9

bgtz \$1, TAG207

lw \$4, 0(\$1)

TAG207:

mflo \$2

lui \$4, 12

bgez \$4, TAG208

lui \$1, 3

TAG208:

multu \$1, \$1

divu \$1, \$1

sll \$0, \$0, 0

mthi \$4

TAG209:

lui \$4, 6

beq \$4, \$4, TAG210

divu \$4, \$4

divu \$4, \$4

TAG210:

bne \$4, \$4, TAG211

sll \$0, \$0, 0

beq \$4, \$4, TAG211

lui \$2, 2

TAG211:

bne \$2, \$2, TAG212

andi \$2, \$2, 12

mthi \$2

srl \$1, \$2, 5

TAG212:

lui \$4, 1

sll \$0, \$0, 0

bne \$2, \$2, TAG213

sll \$0, \$0, 0

TAG213:

lbu \$2, 0(\$2)

lui \$4, 5

lui \$3, 9

lui \$4, 7

TAG214:

blez \$4, TAG215

div \$4, \$4

ori \$3, \$4, 0

addiu \$1, \$4, 12

TAG215:

sll \$0, \$0, 0

sll \$0, \$0, 0

sll \$0, \$0, 0

sll \$0, \$0, 0

TAG216:

sll \$0, \$0, 0

sll \$0, \$0, 0

lui \$3, 2

bltz \$3, TAG217

TAG217:

sll \$0, \$0, 0

sll \$0, \$0, 0

sll \$0, \$0, 0

sll \$0, \$0, 0

TAG218:

mflo \$3

srl \$1, \$3, 15

lb \$1, 0(\$1)

mfhi \$3

TAG219:

ori \$1, \$3, 0

bne \$1, \$3, TAG220

addu \$4, \$3, \$3

lh \$2, 0(\$4)

TAG220:

lbu \$2, 0(\$2)

lui \$2, 4

mthi \$2

sll \$0, \$0, 0

TAG221:

mthi \$4

addu \$2, \$4, \$4

mtlo \$2

sb \$4, 0(\$2)

TAG222:

sh \$2, 0(\$2)

lbu \$4, 0(\$2)

mult \$4, \$2

mflo \$1

TAG223:

lh \$1, 0(\$1)

lhu \$2, 0(\$1)

sub \$4, \$2, \$1

multu \$2, \$2

TAG224:

blez \$4, TAG225

addiu \$4, \$4, 8

lui \$3, 1

srlv \$2, \$4, \$4

TAG225:

sltiu \$1, \$2, 11

sll \$1, \$2, 4

mtlo \$2

mfhi \$1

TAG226:

multu \$1, \$1

multu \$1, \$1

mtlo \$1

bltz \$1, TAG227

TAG227:

multu \$1, \$1

mtlo \$1

mult \$1, \$1

mult \$1, \$1

TAG228:

mtlo \$1

mtlo \$1

bgtz \$1, TAG229

sub \$4, \$1, \$1

TAG229:

mthi \$4

mfhi \$3

bgez \$4, TAG230

sra \$3, \$3, 10

TAG230:

andi \$2, \$3, 1

Ih \$3, 0(\$3)

lhu \$2, 0(\$2)

srlv \$2, \$3, \$2

TAG231:

mthi \$2

bgez \$2, TAG232

lhu \$1, 0(\$2)

mfhi \$2

TAG232:

sb \$2, 0(\$2)

xori \$1, \$2, 8

beq \$1, \$1, TAG233

lhu \$2, 0(\$1)

TAG233:

lui \$4, 3

lui \$4, 15

sb \$4, 0(\$2)

mflo \$3

TAG234:

xori \$1, \$3, 6

lui \$3, 14

bltz \$3, TAG235

sll \$0, \$0, 0

TAG235:

mtlo \$4

sll \$0, \$0, 0

xori \$3, \$4, 7

lui \$1, 4

TAG236:

bltz \$1, TAG237

lui \$4, 3

sll \$0, \$0, 0

divu \$1, \$4

TAG237:

subu \$2, \$4, \$4

addiu \$3, \$4, 3

divu \$2, \$3

and \$3, \$4, \$4

TAG238:

or \$3, \$3, \$3

sll \$2, \$3, 11

mfhi \$4

mflo \$4

TAG239:

bltz \$4, TAG240

sh \$4, 0(\$4)

bgez \$4, TAG240

multu \$4, \$4

TAG240:

lw \$1, 0(\$4)

mtlo \$4

lui \$2, 1

mflo \$2

TAG241:

andi \$3, \$2, 1

mthi \$2

mfhi \$2

bne \$2, \$3, TAG242

TAG242:

mflo \$4

andi \$2, \$2, 3

lui \$1, 3

sllv \$2, \$2, \$2

TAG243:

sb \$2, 0(\$2)

lhu \$2, 0(\$2)

sh \$2, 0(\$2)

beq \$2, \$2, TAG244

TAG244:

lui \$2, 14

sll \$0, \$0, 0

mfhi \$2

beq \$2, \$2, TAG245

TAG245:

mthi \$2

bne \$2, \$2, TAG246

addiu \$3, \$2, 2

multu \$3, \$2

TAG246:

mflo \$1

sh \$1, 0(\$3)

lh \$2, 0(\$1)

srl \$1, \$3, 11

TAG247:

lui \$2, 3

addi \$2, \$1, 8

xori \$4, \$2, 8

lui \$1, 14

TAG248:

lui \$4, 2

mthi \$1

bltz \$1, TAG249

sll \$0, \$0, 0

TAG249:

mtlo \$4

subu \$1, \$4, \$4

and \$4, \$4, \$1

multu \$4, \$4

TAG250:

bltz \$4, TAG251

Ih \$4, 0(\$4)

srl \$2, \$4, 0

sw \$4, 0(\$4)

TAG251:

bne \$2, \$2, TAG252

mthi \$2

lui \$2, 12

mflo \$2

TAG252:

lui \$3, 0

bgez \$2, TAG253

lui \$4, 4

bne \$4, \$3, TAG253

TAG253:

mtlo \$4

sll \$0, \$0, 0

lui \$2, 3

mtlo \$1

TAG254:

mtlo \$2

ori \$1, \$2, 9

beq \$1, \$2, TAG255

mthi \$2

TAG255:

beq \$1, \$1, TAG256

mfhi \$4

mfhi \$1

lui \$3, 6

TAG256:

beq \$3, \$3, TAG257

sh \$3, 0(\$3)

beq \$3, \$3, TAG257

mfhi \$1

TAG257:

lui \$2, 11

xori \$1, \$2, 8

multu \$1, \$2

bne \$2, \$1, TAG258

TAG258:

sll \$0, \$0, 0

mflo \$4

mthi \$1

slt \$3, \$1, \$4

TAG259:

mtlo \$3

blez \$3, TAG260

mflo \$1

lbu \$4, 0(\$1)

TAG260:

mfhi \$1

sb \$1, 0(\$4)

sll \$0, \$0, 0

sll \$0, \$0, 0

TAG261:

sll \$0, \$0, 0

sltu \$3, \$1, \$1

lw \$4, 0(\$3)

bne \$4, \$1, TAG262

TAG262:

and \$2, \$4, \$4

ori \$4, \$2, 5

sh \$4, 0(\$2)

mflo \$3

TAG263:

lb \$4, 0(\$3)

lui \$2, 4

blez \$2, TAG264

multu \$3, \$4

TAG264:

lui \$3, 15

srlv \$4, \$3, \$2

lui \$2, 13

slti \$2, \$2, 8

TAG265:

lb \$4, 0(\$2)

lui \$3, 14

sll \$0, \$0, 0

mthi \$3

TAG266:

sll \$0, \$0, 0

sll \$0, \$0, 0

mtlo \$1

slti \$3, \$1, 6

TAG267:

lb \$2, 0(\$3)

mthi \$3

multu \$3, \$2

lhu \$1, 0(\$3)

TAG268:

mtlo \$1

lbu \$1, 0(\$1)

bne \$1, \$1, TAG269

divu \$1, \$1

TAG269:

div \$1, \$1

mtlo \$1

mfhi \$2

beq \$1, \$2, TAG270

TAG270:

lui \$2, 10

or \$2, \$2, \$2

mflo \$4

lui \$2, 11

TAG271:

blez \$2, TAG272

lui \$2, 13

sll \$0, \$0, 0

lw \$3, 0(\$3)

TAG272:

divu \$3, \$3

beq \$3, \$3, TAG273

subu \$2, \$3, \$3

sb \$3, 0(\$3)

TAG273:

sb \$2, 0(\$2)

lb \$1, 0(\$2)

lb \$3, 0(\$1)

beq \$2, \$2, TAG274

TAG274:

add \$3, \$3, \$3

addiu \$1, \$3, 8

sb \$3, 0(\$3)

ori \$3, \$3, 4

TAG275:

lui \$4, 5

srlv \$1, \$4, \$3

sw \$4, 0(\$3)

mfhi \$4

TAG276:

lui \$4, 10

sll \$0, \$0, 0

beq \$4, \$4, TAG277

sltu \$1, \$4, \$4

TAG277:

addu \$1, \$1, \$1

lui \$1, 5

div \$1, \$1

sll \$0, \$0, 0

TAG278:

mthi \$1

andi \$1, \$1, 14

slti \$2, \$1, 2

mult \$1, \$1

TAG279:

sll \$2, \$2, 7

lui \$1, 2

mthi \$2

mfhi \$3

TAG280:

srav \$2, \$3, \$3

lui \$3, 2

bltz \$2, TAG281

mtlo \$3

TAG281:

addiu \$2, \$3, 11

sll \$0, \$0, 0

bgez \$2, TAG282

sll \$0, \$0, 0

TAG282:

sra \$2, \$4, 2

sll \$0, \$0, 0

srlv \$4, \$2, \$4

mtlo \$4

TAG283:

sll \$0, \$0, 0

sll \$0, \$0, 0

beq \$4, \$4, TAG284

sll \$0, \$0, 0

TAG284:

sll \$0, \$0, 0

multu \$4, \$3

bgtz \$4, TAG285

mthi \$4

TAG285:

mfhi \$2

sll \$0, \$0, 0

sll \$0, \$0, 0

beq \$2, \$3, TAG286

TAG286:

mfhi \$3

mthi \$2

addu \$3, \$3, \$3

nor \$4, \$3, \$3

TAG287:

sll \$0, \$0, 0

mtlo \$4

mthi \$4

mtlo \$1

TAG288:

multu \$1, \$1

mflo \$4

mthi \$4

div \$4, \$1

TAG289:

srav \$2, \$4, \$4

mult \$4, \$4

sllv \$1, \$2, \$2

bne \$2, \$1, TAG290

TAG290:

mult \$1, \$1

xor \$2, \$1, \$1

mthi \$2

lui \$4, 13

TAG291:

bne \$4, \$4, TAG292

mflo \$2

srav \$3, \$4, \$2

mfhi \$2

TAG292:

sh \$2, 0(\$2)

lb \$2, 0(\$2)

blez \$2, TAG293

mtlo \$2

TAG293:

beq \$2, \$2, TAG294

mtlo \$2

mfhi \$3

beq \$3, \$3, TAG294

TAG294:

sltiu \$2, \$3, 8

bltz \$3, TAG295

sub \$1, \$2, \$2

subu \$1, \$3, \$3

TAG295:

lw \$1, 0(\$1)

sb \$1, 0(\$1)

beq \$1, \$1, TAG296

multu \$1, \$1

TAG296:

sltiu \$2, \$1, 12

mtlo \$2

sh \$2, 0(\$1)

mult \$1, \$2

TAG297:

andi \$1, \$2, 14

lb \$3, 0(\$1)

beq \$2, \$2, TAG298

multu \$2, \$1

TAG298:

lui \$3, 12

divu \$3, \$3

beq \$3, \$3, TAG299

mflo \$1

TAG299:

srav \$2, \$1, \$1

lui \$4, 4

beq \$2, \$4, TAG300

or \$3, \$4, \$2

TAG300:

lui \$3, 5

beq \$3, \$3, TAG301

lui \$2, 13

sh \$3, 0(\$3)

TAG301:

sll \$0, \$0, 0

xori \$2, \$2, 2

lui \$1, 3

ori \$4, \$2, 10

TAG302:

bne \$4, \$4, TAG303

mthi \$4

lui \$4, 14

mfhi \$3

TAG303:

and \$3, \$3, \$3

mult \$3, \$3

mfhi \$4

bgtz \$3, TAG304

TAG304:

divu \$4, \$4

beq \$4, \$4, TAG305

lw \$2, -169(\$4)

lbu \$4, 0(\$2)

TAG305:

sll \$0, \$0, 0

bgez \$4, TAG306

lui \$3, 4

beq \$3, \$4, TAG306

TAG306:

andi \$2, \$3, 6

bgtz \$2, TAG307

subu \$1, \$2, \$3

bltz \$3, TAG307

TAG307:

multu \$1, \$1

mfhi \$3

sll \$0, \$0, 0

sltu \$3, \$1, \$4

TAG308:

mtlo \$3

addu \$2, \$3, \$3

slt \$3, \$3, \$2

sh \$2, 0(\$3)

TAG309:

lui \$3, 3

bne \$3, \$3, TAG310

mtlo \$3

divu \$3, \$3

TAG310:

bgez \$3, TAG311

sll \$0, \$0, 0

lui \$4, 5

addiu \$3, \$2, 0

TAG311:

blez \$3, TAG312

mflo \$1

blez \$3, TAG312

addu \$1, \$1, \$1

TAG312:

bne \$1, \$1, TAG313

mflo \$3

mthi \$3

bgez \$3, TAG313

TAG313:

mtlo \$3

mflo \$1

sb \$1, 0(\$1)

lbu \$2, 0(\$1)

TAG314:

lui \$1, 13

lui \$3, 11

mfhi \$3

mfhi \$1

TAG315:

mfhi \$2

sb \$2, 0(\$2)

lui \$4, 6

mflo \$2

TAG316:

mult \$2, \$2

sb \$2, 0(\$2)

lbu \$1, 0(\$2)

lbu \$4, 0(\$1)

TAG317:

ori \$3, \$4, 8

beq \$4, \$3, TAG318

mfhi \$4

Ih \$3, 0(\$4)

TAG318:

multu \$3, \$3

mflo \$1

lhu \$3, -256(\$3)

blez \$3, TAG319

TAG319:

addu \$4, \$3, \$3

multu \$3, \$4

srav \$2, \$4, \$4

mtlo \$2

TAG320:

sw \$2, -512(\$2)

multu \$2, \$2

sw \$2, -512(\$2)

divu \$2, \$2

TAG321:

sll \$0, \$0, 0

sll \$0, \$0, 0

lui \$1, 0

mflo \$3

TAG322:

srl \$1, \$3, 4

lui \$2, 10

lb \$4, 0(\$1)

lui \$2, 15

TAG323:

lui \$4, 3

nor \$4, \$4, \$2

bgez \$4, TAG324

addu \$3, \$4, \$2

TAG324:

blez \$3, TAG325

slti \$1, \$3, 8

mtlo \$3

lb \$2, 0(\$3)

TAG325:

addu \$1, \$2, \$2

sll \$0, \$0, 0

andi \$3, \$2, 14

lui \$4, 3

TAG326:

mflo \$1

sll \$0, \$0, 0

blez \$1, TAG327

slti \$3, \$3, 11

TAG327:

sll \$4, \$3, 7

srl \$2, \$3, 7

subu \$4, \$3, \$4

multu \$2, \$2

TAG328:

lui \$4, 2

sII \$0, \$0, 0

sll \$0, \$0, 0

andi \$2, \$4, 8

TAG329:

lui \$1, 12

lui \$4, 8

multu \$1, \$2

bltz \$4, TAG330

TAG330:

mult \$4, \$4

sll \$0, \$0, 0

ori \$4, \$4, 7

bne \$4, \$4, TAG331

TAG331:

sll \$0, \$0, 0

divu \$1, \$1

bne \$4, \$4, TAG332

divu \$4, \$1

TAG332:

lui \$1, 8

sll \$0, \$0, 0

lui \$3, 7

andi \$2, \$1, 9

TAG333:

sltu \$3, \$2, \$2

lui \$4, 13

subu \$2, \$2, \$2

sb \$4, 0(\$3)

TAG334:

sb \$2, 0(\$2)

sltu \$4, \$2, \$2

sltu \$1, \$4, \$2

xori \$3, \$4, 3

TAG335:

bne \$3, \$3, TAG336

sll \$3, \$3, 5

srav \$3, \$3, \$3

bne \$3, \$3, TAG336

TAG336:

sllv \$4, \$3, \$3

lui \$4, 13

mthi \$4

lui \$4, 6

TAG337:

multu \$4, \$4

mthi \$4

beq \$4, \$4, TAG338

mflo \$3

TAG338:

mtlo \$3

mthi \$3

and \$4, \$3, \$3

lui \$3, 3

TAG339:

xori \$1, \$3, 15

bgez \$3, TAG340

sll \$0, \$0, 0

mflo \$3

TAG340:

sll \$0, \$0, 0

sll \$0, \$0, 0

mult \$4, \$4

subu \$1, \$4, \$3

TAG341:

bgez \$1, TAG342

sllv \$3, \$1, \$1

lui \$2, 5

mflo \$4

TAG342:

lui \$4, 2

blez \$4, TAG343

sll \$0, \$0, 0

mflo \$2

TAG343:

sh \$2, 0(\$2)

lui \$2, 11

sll \$0, \$0, 0

lui \$4, 0

TAG344:

sb \$4, 0(\$4)

sb \$4, 0(\$4)

sw \$4, 0(\$4)

mtlo \$4

TAG345:

bne \$4, \$4, TAG346

mfhi \$1

addi \$2, \$4, 7

mflo \$2

TAG346:

lw \$2, 0(\$2)

lbu \$1, 0(\$2)

mflo \$1

sh \$1, 0(\$2)

TAG347:

sh \$1, 0(\$1)

mult \$1, \$1

sh \$1, 0(\$1)

bne \$1, \$1, TAG348

TAG348:

and \$1, \$1, \$1

lw \$3, 0(\$1)

addiu \$1, \$1, 6

lui \$2, 9

TAG349:

divu \$2, \$2

subu \$1, \$2, \$2

sll \$0, \$0, 0

sb \$1, 0(\$1)

TAG350:

andi \$3, \$2, 14

sll \$0, \$0, 0

lui \$4, 8

bne \$3, \$4, TAG351

TAG351:

sll \$0, \$0, 0

bne \$4, \$4, TAG352

sh \$3, 0(\$3)

mflo \$3

TAG352:

bgtz \$3, TAG353

lui \$4, 11

mtlo \$4

divu \$3, \$4

TAG353:

sltiu \$2, \$4, 12

multu \$4, \$2

sll \$1, \$4, 10

slti \$2, \$1, 4

TAG354:

sh \$2, 0(\$2)

sra \$2, \$2, 14

Ih \$2, 0(\$2)

mthi \$2

TAG355:

sw \$2, 0(\$2)

lui \$2, 15

sltu \$1, \$2, \$2

mult \$2, \$1

TAG356:

bne \$1, \$1, TAG357

multu \$1, \$1

lb \$1, 0(\$1)

lui \$2, 14

TAG357:

lui \$2, 4

andi \$3, \$2, 14

mflo \$4

mflo \$1

TAG358:

or \$4, \$1, \$1

mult \$1, \$1

beq \$1, \$4, TAG359

sb \$4, 0(\$1)

TAG359:

bgez \$4, TAG360

mflo \$3

mthi \$4

mflo \$4

TAG360:

mflo \$3

Ih \$3, 0(\$3)

lhu \$4, 0(\$3)

mult \$4, \$3

TAG361:

beq \$4, \$4, TAG362

mtlo \$4

lw \$4, 0(\$4)

multu \$4, \$4

TAG362:

lui \$4, 13

divu \$4, \$4

lui \$4, 14

bne \$4, \$4, TAG363

TAG363:

divu \$4, \$4

blez \$4, TAG364

mflo \$3

lui \$2, 3

TAG364:

sll \$0, \$0, 0

srlv \$2, \$4, \$2

blez \$2, TAG365

sll \$0, \$0, 0

TAG365:

sll \$0, \$0, 0

andi \$3, \$2, 15

bgtz \$2, TAG366

mthi \$2

TAG366:

mult \$3, \$3

sb \$3, 0(\$3)

mtlo \$3

mtlo \$3

TAG367:

xori \$3, \$3, 12

sltu \$2, \$3, \$3

lui \$3, 8

bgtz \$3, TAG368

TAG368:

sII \$0, \$0, 0

sll \$0, \$0, 0

lbu \$2, 0(\$2)

sll \$0, \$0, 0

TAG369:

lui \$1, 9

beq \$1, \$1, TAG370

sh \$1, 0(\$2)

sh \$2, 0(\$2)

TAG370:

lui \$4, 14

blez \$4, TAG371

mult \$4, \$1

mflo \$3

TAG371:

sw \$3, 0(\$3)

mthi \$3

sb \$3, 0(\$3)

bne \$3, \$3, TAG372

TAG372:

and \$3, \$3, \$3

lw \$2, 0(\$3)

ori \$4, \$2, 12

bgez \$3, TAG373

TAG373:

slti \$1, \$4, 5

slti \$1, \$1, 6

sb \$4, 0(\$1)

bne \$4, \$1, TAG374

TAG374:

mthi \$1

sltu \$1, \$1, \$1

mtlo \$1

bgez \$1, TAG375

TAG375:

sw \$1, 0(\$1)

mflo \$4

sw \$1, 0(\$4)

sub \$4, \$1, \$1

TAG376:

sra \$3, \$4, 10

sh \$3, 0(\$4)

slti \$2, \$3, 15

mtlo \$4

TAG377:

sllv \$4, \$2, \$2

mfhi \$1

lb \$3, 0(\$1)

bne \$2, \$4, TAG378

TAG378:

sra \$3, \$3, 9

sb \$3, 0(\$3)

Ih \$2, 0(\$3)

sra \$1, \$2, 0

TAG379:

lb \$3, 0(\$1)

sra \$2, \$3, 13

bne \$1, \$3, TAG380

xor \$3, \$3, \$2

TAG380:

mfhi \$3

lb \$1, 0(\$3)

bltz \$3, TAG381

nor \$1, \$1, \$3

TAG381:

andi \$1, \$1, 6

subu \$3, \$1, \$1

beq \$1, \$1, TAG382

lui \$2, 2

TAG382:

addiu \$2, \$2, 3

mthi \$2

bne \$2, \$2, TAG383

sltu \$4, \$2, \$2

TAG383:

lui \$3, 7

mflo \$4

bgtz \$3, TAG384

sll \$0, \$0, 0

TAG384:

multu \$4, \$4

sltiu \$1, \$4, 4

lui \$1, 10

mflo \$2

TAG385:

lui \$3, 14

mtlo \$3

lui \$1, 2

mflo \$3

TAG386:

mthi \$3

sll \$0, \$0, 0

srl \$3, \$4, 4

sw \$4, 0(\$3)

TAG387:

bne \$3, \$3, TAG388

multu \$3, \$3

blez \$3, TAG388

lb \$1, 0(\$3)

TAG388:

lui \$1, 0

mtlo \$1

sub \$4, \$1, \$1

beq \$1, \$1, TAG389

TAG389:

mflo \$4

bne \$4, \$4, TAG390

slt \$1, \$4, \$4

addiu \$1, \$1, 11

TAG390:

lbu \$3, 0(\$1)

sltiu \$4, \$3, 15

sb \$1, 0(\$4)

mult \$3, \$3

TAG391:

mthi \$4

addiu \$4, \$4, 6

mult \$4, \$4

or \$3, \$4, \$4

TAG392:

mflo \$1

divu \$1, \$3

div \$1, \$3

multu \$3, \$3

TAG393:

sll \$1, \$1, 12

lui \$1, 13

bltz \$1, TAG394

mult \$1, \$1

TAG394:

mflo \$4

lui \$3, 0

and \$2, \$4, \$3

mfhi \$3

TAG395:

bne \$3, \$3, TAG396

lw \$4, -169(\$3)

ori \$2, \$4, 6

lh \$4, -2816(\$4)

TAG396:

bgtz \$4, TAG397

mfhi \$3

mthi \$3

multu \$4, \$3

TAG397:

div \$3, \$3

mthi \$3

bne \$3, \$3, TAG398

lhu \$3, -169(\$3)

TAG398:

blez \$3, TAG399

sb \$3, -2816(\$3)

mtlo \$3

mthi \$3

TAG399:

bltz \$3, TAG400

sb \$3, -2816(\$3)

subu \$2, \$3, \$3

lui \$2, 10

TAG400:

mflo \$4

nor \$4, \$4, \$2

sll \$0, \$0, 0

beq \$4, \$2, TAG401

TAG401:

sllv \$4, \$4, \$4

and \$4, \$4, \$4

lui \$4, 12

sll \$0, \$0, 0

TAG402:

bne \$3, \$3, TAG403

mflo \$2

sh \$3, -2816(\$2)

mfhi \$2

TAG403:

subu \$3, \$2, \$2

mflo \$4

ori \$4, \$4, 1

lh \$4, -2817(\$4)

TAG404:

addu \$4, \$4, \$4

sra \$4, \$4, 15

bne \$4, \$4, TAG405

sub \$2, \$4, \$4

TAG405:

addiu \$3, \$2, 5

xori \$1, \$3, 7

sb \$3, 0(\$1)

mthi \$3

TAG406:

sh \$1, 0(\$1)

mult \$1, \$1

xor \$2, \$1, \$1

mflo \$3

TAG407:

mflo \$3

lhu \$4, 0(\$3)

andi \$4, \$3, 13

sll \$3, \$3, 12

TAG408:

sltiu \$1, \$3, 14

or \$4, \$3, \$1

lui \$2, 15

addiu \$3, \$4, 0

TAG409:

mflo \$2

beq \$3, \$2, TAG410

multu \$2, \$3

bgez \$2, TAG410

TAG410:

lhu \$3, 0(\$2)

lhu \$1, 0(\$2)

srlv \$1, \$1, \$1

lui \$4, 4

TAG411:

mtlo \$4

div \$4, \$4

bne \$4, \$4, TAG412

sltu \$3, \$4, \$4

TAG412:

lui \$3, 0

beq \$3, \$3, TAG413

lui \$1, 14

srl \$1, \$1, 8

TAG413:

divu \$1, \$1

mflo \$3

beq \$3, \$3, TAG414

lui \$3, 1

TAG414:

sll \$0, \$0, 0

bltz \$3, TAG415

nor \$1, \$2, \$3

mult \$1, \$2

TAG415:

mthi \$1

multu \$1, \$1

mtlo \$1

divu \$1, \$1

TAG416:

bgez \$1, TAG417

mthi \$1

div \$1, \$1

sll \$0, \$0, 0

TAG417:

lui \$3, 7

bgez \$3, TAG418

mfhi \$1

mflo \$1

TAG418:

beq \$1, \$1, TAG419

lhu \$2, 0(\$1)

mfhi \$4

mflo \$3

TAG419:

mflo \$4

divu \$3, \$4

blez \$3, TAG420

mflo \$4

TAG420:

sra \$4, \$4, 10

lui \$1, 8

bgtz \$4, TAG421

addiu \$4, \$4, 1

TAG421:

sllv \$3, \$4, \$4

divu \$4, \$3

bgez \$3, TAG422

divu \$3, \$4

TAG422:

sll \$0, \$0, 0

slti \$2, \$1, 0

blez \$3, TAG423

sll \$0, \$0, 0

TAG423:

mthi \$3

lw \$2, -898(\$3)

bgez \$3, TAG424

sll \$0, \$0, 0

TAG424:

sll \$0, \$0, 0

bne \$2, \$2, TAG425

sll \$0, \$0, 0

mflo \$4

TAG425:

addu \$1, \$4, \$4

div \$4, \$4

or \$3, \$4, \$4

lui \$1, 5

TAG426:

bne \$1, \$1, TAG427

sll \$0, \$0, 0

sll \$0, \$0, 0

mflo \$2

TAG427:

divu \$2, \$2

andi \$1, \$2, 7

mtlo \$1

mfhi \$1

TAG428:

nor \$4, \$1, \$1

bne \$4, \$1, TAG429

multu \$4, \$1

blez \$4, TAG429

TAG429:

sb \$4, 1(\$4)

sb \$4, 1(\$4)

mtlo \$4

bgtz \$4, TAG430

TAG430:

andi \$4, \$4, 8

xori \$3, \$4, 7

bltz \$3, TAG431

addu \$4, \$4, \$4

TAG431:

mtlo \$4

bne \$4, \$4, TAG432

sw \$4, 0(\$4)

blez \$4, TAG432

TAG432:

multu \$4, \$4

mfhi \$1

lw \$3, 0(\$4)

mtlo \$3

TAG433:

sw \$3, 0(\$3)

andi \$3, \$3, 15

nor \$1, \$3, \$3

sllv \$3, \$1, \$3

TAG434:

sb \$3, 1(\$3)

sltu \$2, \$3, \$3

sb \$2, 1(\$3)

lhu \$1, 1(\$3)

TAG435:

sll \$0, \$0, 0

beq \$2, \$2, TAG436

lui \$2, 10

beq \$2, \$2, TAG436

TAG436:

div \$2, \$2

sll \$0, \$0, 0

sltu \$4, \$2, \$2

mthi \$4

TAG437:

sll \$1, \$4, 6

lui \$4, 15

div \$1, \$4

lbu \$1, 0(\$1)

TAG438:

lhu \$2, 0(\$1)

lui \$3, 5

bgez \$2, TAG439

sltiu \$1, \$2, 15

TAG439:

sub \$1, \$1, \$1

sw \$1, 0(\$1)

mthi \$1

sh \$1, 0(\$1)

TAG440:

mfhi \$3

sb \$1, 0(\$3)

mtlo \$1

sub \$1, \$1, \$1

TAG441:

mflo \$2

sh \$1, 0(\$2)

slt \$2, \$1, \$1

lui \$1, 2

TAG442:

sltiu \$1, \$1, 0

mthi \$1

mfhi \$2

mflo \$3

TAG443:

sb \$3, 0(\$3)

bltz \$3, TAG444

mfhi \$2

nor \$4, \$2, \$3

TAG444:

sh \$4, 1(\$4)

mfhi \$2

mfhi \$2

mtlo \$2

TAG445:

mult \$2, \$2

lui \$1, 14

bgtz \$2, TAG446

divu \$2, \$1

TAG446:

bltz \$1, TAG447

mthi \$1

beq \$1, \$1, TAG447

multu \$1, \$1

TAG447:

sll \$0, \$0, 0

div \$3, \$1

lh \$1, 0(\$3)

beq \$1, \$1, TAG448

TAG448:

lui \$3, 12

sra \$1, \$3, 2

slt \$3, \$1, \$1

subu \$3, \$3, \$1

TAG449:

bne \$3, \$3, TAG450

xor \$4, \$3, \$3

beq \$3, \$3, TAG450

lui \$4, 15

TAG450:

sll \$0, \$0, 0

divu \$4, \$4

sll \$0, \$0, 0

mflo \$2

TAG451:

bgez \$2, TAG452

mthi \$2

ori \$4, \$2, 6

sltiu \$2, \$4, 8

TAG452:

mtlo \$2

mflo \$2

mfhi \$4

mtlo \$2

TAG453:

mthi \$4

mfhi \$2

lui \$1, 11

srav \$1, \$1, \$2

TAG454:

sll \$0, \$0, 0

divu \$1, \$1

sII \$0, \$0, 0

subu \$3, \$1, \$1

TAG455:

lhu \$1, 0(\$3)

multu \$3, \$3

bne \$1, \$3, TAG456

or \$1, \$1, \$1

TAG456:

div \$1, \$1

lui \$2, 2

mflo \$1

bne \$2, \$2, TAG457

TAG457:

mthi \$1

addiu \$3, \$1, 7

mtlo \$1

mtlo \$3

TAG458:

lui \$1, 14

sllv \$3, \$1, \$1

slti \$4, \$3, 12

sll \$0, \$0, 0

TAG459:

mflo \$1

xori \$1, \$1, 4

mthi \$4

mflo \$1

TAG460:

lui \$1, 1

sII \$0, \$0, 0

mflo \$3

multu \$1, \$1

TAG461:

lui \$3, 12

lui \$2, 10

sll \$0, \$0, 0

mflo \$1

TAG462:

xori \$4, \$1, 9

mtlo \$4

blez \$4, TAG463

lui \$4, 7

TAG463:

beq \$4, \$4, TAG464

mthi \$4

srl \$3, \$4, 1

lui \$2, 9

TAG464:

mtlo \$2

lui \$3, 9

mfhi \$2

lui \$3, 1

TAG465:

sll \$0, \$0, 0

sll \$0, \$0, 0

div \$3, \$3

mult \$3, \$3

TAG466:

sll \$0, \$0, 0

sII \$0, \$0, 0

sltu \$1, \$3, \$3

sltu \$2, \$3, \$1

TAG467:

lui \$3, 5

mult \$2, \$2

multu \$2, \$2

mflo \$2

TAG468:

lui \$2, 15

mtlo \$2

bltz \$2, TAG469

lui \$4, 0

TAG469:

and \$3, \$4, \$4

multu \$3, \$4

mthi \$4

lh \$2, 0(\$4)

TAG470:

sw \$2, 1(\$2)

lui \$2, 10

mflo \$2

sb \$2, 0(\$2)

TAG471:

mtlo \$2

multu \$2, \$2

bgtz \$2, TAG472

mtlo \$2

TAG472:

beq \$2, \$2, TAG473

mflo \$2

div \$2, \$2

srav \$2, \$2, \$2

TAG473:

mtlo \$2

lbu \$1, 0(\$2)

bgez \$2, TAG474

lui \$2, 4

TAG474:

mult \$2, \$2

sll \$0, \$0, 0

beq \$2, \$2, TAG475

sll \$0, \$0, 0

TAG475:

bgtz \$2, TAG476

sll \$4, \$2, 5

lb \$4, 0(\$2)

andi \$4, \$2, 6

TAG476:

blez \$4, TAG477

multu \$4, \$4

sll \$0, \$0, 0

lui \$2, 10

TAG477:

mtlo \$2

addu \$2, \$2, \$2

sll \$0, \$0, 0

lui \$3, 9

TAG478:

mtlo \$3

beq \$3, \$3, TAG479

sll \$0, \$0, 0

lui \$4, 11

TAG479:

nor \$1, \$4, \$4

bltz \$1, TAG480

addiu \$1, \$4, 11

bgez \$1, TAG480

TAG480:

mthi \$1

mflo \$2

multu \$2, \$2

sll \$0, \$0, 0

TAG481:

sll \$0, \$0, 0

sll \$0, \$0, 0

mflo \$1

bgez \$1, TAG482

TAG482:

mult \$1, \$1

lbu \$2, 0(\$1)

mflo \$2

multu \$1, \$2

TAG483:

sb \$2, 0(\$2)

sw \$2, 0(\$2)

multu \$2, \$2

mtlo \$2

TAG484:

lui \$3, 10

mthi \$3

lui \$2, 8

sll \$0, \$0, 0

TAG485:

multu \$4, \$4

mflo \$2

mult \$2, \$4

addu \$1, \$2, \$4

TAG486:

sll \$0, \$0, 0

sll \$0, \$0, 0

sltu \$1, \$1, \$1

mult \$1, \$1

TAG487:

mtlo \$1

mflo \$3

bne \$3, \$3, TAG488

mfhi \$2

TAG488:

bne \$2, \$2, TAG489

mfhi \$4

mfhi \$3

lhu \$4, 0(\$4)

TAG489:

bne \$4, \$4, TAG490

xor \$4, \$4, \$4

lui \$2, 9

sII \$0, \$0, 0

TAG490:

blez \$2, TAG491

divu \$2, \$2

xori \$2, \$2, 15

beq \$2, \$2, TAG491

TAG491:

mflo \$4

sb \$4, 0(\$4)

beq \$4, \$4, TAG492

subu \$3, \$4, \$4

TAG492:

mthi \$3

lui \$3, 3

ori \$1, \$3, 11

ori \$4, \$3, 5

TAG493:

subu \$1, \$4, \$4

mtlo \$4

blez \$1, TAG494

multu \$1, \$1

TAG494:

lui \$2, 11

addu \$1, \$2, \$2

sll \$0, \$0, 0

sll \$0, \$0, 0

TAG495:

addiu \$4, \$2, 2

mfhi \$1

bltz \$2, TAG496

lui \$3, 0

TAG496:

multu \$3, \$3

addi \$1, \$3, 10

lui \$3, 7

subu \$2, \$3, \$1

TAG497:

bgez \$2, TAG498

ori \$2, \$2, 13

multu \$2, \$2

bgez \$2, TAG498

TAG498:

sll \$0, \$0, 0

lui \$1, 4

lui \$4, 9

lui \$2, 9

TAG499:

bne \$2, \$2, TAG500

div \$2, \$2

mtlo \$2

div \$2, \$2

TAG500:

xor \$1, \$2, \$2

srlv \$4, \$2, \$2

sh \$1, 0(\$1)

divu \$4, \$2

TAG501:

mthi \$4

blez \$4, TAG502

mthi \$4

nor \$3, \$4, \$4

TAG502:

lui \$3, 11

beq \$3, \$3, TAG503

mfhi \$1

addiu \$3, \$3, 5

TAG503:

sll \$0, \$0, 0

mflo \$3

lbu \$1, 0(\$3)

lb \$2, 0(\$3)

TAG504:

bltz \$2, TAG505

Ih \$3, 0(\$2)

mfhi \$4

sh \$4, 0(\$3)

TAG505:

sll \$0, \$0, 0

bne \$4, \$4, TAG506

lui \$1, 5

subu \$3, \$1, \$4

TAG506:

bgez \$3, TAG507

mflo \$3

sb \$3, 0(\$3)

sb \$3, 0(\$3)

TAG507:

ori \$3, \$3, 14

bgtz \$3, TAG508

xor \$2, \$3, \$3

mtlo \$2

TAG508:

sll \$4, \$2, 8

multu \$4, \$2

sw \$4, 0(\$2)

bgez \$4, TAG509

TAG509:

lhu \$3, 0(\$4)

lbu \$4, 0(\$3)

lw \$3, 0(\$4)

sb \$3, 0(\$3)

TAG510:

lui \$1, 1

ori \$3, \$3, 6

mult \$3, \$1

and \$1, \$3, \$1

TAG511:

beq \$1, \$1, TAG512

lui \$1, 9

mult \$1, \$1

xori \$3, \$1, 6

TAG512:

divu \$3, \$3

ori \$3, \$3, 15

multu \$3, \$3

bne \$3, \$3, TAG513

TAG513:

addiu \$2, \$3, 14

srav \$4, \$3, \$2

ori \$3, \$3, 13

lbu \$3, 0(\$3)

TAG514:

and \$4, \$3, \$3

sub \$3, \$3, \$4

bne \$4, \$3, TAG515

multu \$3, \$3

TAG515:

mthi \$3

subu \$1, \$3, \$3

mtlo \$1

sra \$3, \$3, 9

TAG516:

mflo \$4

nor \$1, \$4, \$4

mflo \$4

mfhi \$3

TAG517:

beq \$3, \$3, TAG518

mtlo \$3

subu \$1, \$3, \$3

lw \$4, 0(\$3)

TAG518:

mfhi \$2

sub \$2, \$2, \$4

bgtz \$2, TAG519

sh \$2, 0(\$2)

TAG519:

bne \$2, \$2, TAG520

sh \$2, 0(\$2)

mthi \$2

multu \$2, \$2

TAG520:

lui \$4, 8

mtlo \$2

div \$2, \$4

bne \$2, \$2, TAG521

TAG521:

sll \$0, \$0, 0

multu \$4, \$1

sllv \$4, \$4, \$4

bgtz \$1, TAG522

TAG522:

mtlo \$4

sll \$0, \$0, 0

mthi \$4

lui \$4, 11

TAG523:

bgez \$4, TAG524

sll \$0, \$0, 0

sw \$2, 0(\$2)

lw \$1, 0(\$2)

TAG524:

bgtz \$1, TAG525

lw \$4, 1(\$1)

mthi \$1

mflo \$3

TAG525:

sll \$0, \$0, 0

ori \$2, \$3, 3

lui \$2, 1

mfhi \$4

TAG526:

mflo \$1

addiu \$1, \$4, 6

or \$4, \$4, \$4

addu \$1, \$4, \$4

TAG527:

sw \$1, 2(\$1)

mfhi \$2

mtlo \$1

lui \$3, 7

TAG528:

sll \$0, \$0, 0

divu \$4, \$4

sll \$0, \$0, 0

mthi \$3

TAG529:

bgtz \$4, TAG530

lh \$3, 1(\$4)

bne \$4, \$4, TAG530

lui \$4, 1

TAG530:

sll \$0, \$0, 0

sll \$2, \$4, 15

mflo \$2

ori \$1, \$4, 2

TAG531:

bgtz \$1, TAG532

mult \$1, \$1

mthi \$1

beq \$1, \$1, TAG532

TAG532:

addiu \$1, \$1, 13

lui \$2, 7

subu \$2, \$2, \$2

mthi \$2

TAG533:

lui \$3, 0

lui \$3, 3

sII \$0, \$0, 0

mult \$2, \$3

TAG534:

sll \$0, \$0, 0

bgtz \$3, TAG535

mfhi \$1

mflo \$2

TAG535:

mtlo \$2

mthi \$2

srav \$4, \$2, \$2

or \$4, \$2, \$4

TAG536:

mtlo \$4

lw \$2, 0(\$4)

mflo \$4

multu \$4, \$4

TAG537:

mflo \$4

xor \$1, \$4, \$4

bne \$1, \$4, TAG538

lui \$4, 2

TAG538:

lui \$3, 6

mthi \$4

sll \$0, \$0, 0

multu \$4, \$3

TAG539:

sll \$0, \$0, 0

lui \$2, 6

divu \$2, \$3

andi \$1, \$3, 11

TAG540:

andi \$4, \$1, 3

addu \$1, \$4, \$1

mthi \$1

beq \$1, \$1, TAG541

TAG541:

mfhi \$2

or \$2, \$1, \$2

mfhi \$3

mtlo \$1

TAG542:

lui \$2, 5

mult \$3, \$2

ori \$3, \$2, 9

sll \$0, \$0, 0

TAG543:

beq \$1, \$1, TAG544

multu \$1, \$1

bgtz \$1, TAG544

mflo \$2

TAG544:

blez \$2, TAG545

sllv \$1, \$2, \$2

addu \$3, \$1, \$1

nor \$2, \$2, \$3

TAG545:

mtlo \$2

addiu \$1, \$2, 6

bgez \$2, TAG546

lui \$1, 6

TAG546:

multu \$1, \$1

sll \$0, \$0, 0

sll \$0, \$0, 0

sll \$0, \$0, 0

TAG547:

blez \$3, TAG548

div \$3, \$3

beq \$3, \$3, TAG548

mflo \$2

TAG548:

sb \$2, 0(\$2)

bgez \$2, TAG549

lbu \$2, 0(\$2)

ori \$2, \$2, 12

TAG549:

mult \$2, \$2

lui \$3, 10

or \$4, \$3, \$2

mfhi \$2

TAG550:

lb \$4, 0(\$2)

mfhi \$2

divu \$2, \$4

mult \$4, \$2

TAG551:

sb \$2, 0(\$2)

lui \$2, 11

mfhi \$2

bne \$2, \$2, TAG552

TAG552:

mfhi \$1

bgez \$2, TAG553

mflo \$2

subu \$1, \$1, \$1

TAG553:

bgez \$1, TAG554

mtlo \$1

bne \$1, \$1, TAG554

mflo \$4

TAG554:

sll \$2, \$4, 7

sh \$4, 2(\$4)

sltu \$4, \$4, \$4

Ih \$3, 256(\$2)

TAG555:

slti \$3, \$3, 3

mult \$3, \$3

bltz \$3, TAG556

sltu \$4, \$3, \$3

TAG556:

mfhi \$2

lui \$3, 0

beq \$2, \$3, TAG557

sh \$3, 0(\$2)

TAG557:

mtlo \$3

sltu \$1, \$3, \$3

nor \$2, \$1, \$1

beq \$1, \$3, TAG558

TAG558:

mthi \$2

lhu \$3, 1(\$2)

lui \$1, 12

srlv \$4, \$3, \$3

TAG559:

Ih \$4, 0(\$4)

bne \$4, \$4, TAG560

xori \$3, \$4, 9

bgtz \$4, TAG560

TAG560:

addu \$1, \$3, \$3

nor \$4, \$3, \$3

addu \$3, \$4, \$3

bne \$4, \$3, TAG561

TAG561:

multu \$3, \$3

srav \$3, \$3, \$3

srl \$3, \$3, 14

sll \$0, \$0, 0

TAG562:

mfhi \$1

subu \$3, \$3, \$3

xori \$1, \$3, 4

multu \$1, \$3

TAG563:

sh \$1, 0(\$1)

subu \$4, \$1, \$1

lhu \$1, 0(\$4)

blez \$1, TAG564

TAG564:

lh \$2, 0(\$1)

sw \$1, 0(\$2)

bne \$1, \$2, TAG565

lui \$4, 9

TAG565:

lui \$4, 13

sll \$0, \$0, 0

mfhi \$4

mthi \$4

TAG566:

sra \$1, \$4, 2

sllv \$2, \$4, \$1

blez \$2, TAG567

mtlo \$2

TAG567:

mult \$2, \$2

bltz \$2, TAG568

srl \$1, \$2, 0

lui \$2, 2

TAG568:

lui \$4, 2

mthi \$4

bne \$4, \$2, TAG569

mfhi \$3

TAG569:

sll \$0, \$0, 0

andi \$1, \$3, 4

mfhi \$2

beq \$2, \$2, TAG570

TAG570:

div \$2, \$2

mult \$2, \$2

slt \$3, \$2, \$2

bgtz \$3, TAG571

TAG571:

mult \$3, \$3

sltiu \$2, \$3, 15

bgez \$2, TAG572

multu \$2, \$3

TAG572:

bgez \$2, TAG573

mult \$2, \$2

div \$2, \$2

nor \$2, \$2, \$2

TAG573:

mthi \$2

beq \$2, \$2, TAG574

lui \$2, 8

bne \$2, \$2, TAG574

TAG574:

and \$1, \$2, \$2

divu \$2, \$1

mflo \$2

beq \$1, \$1, TAG575

TAG575:

addu \$1, \$2, \$2

beq \$2, \$2, TAG576

addu \$3, \$2, \$2

lui \$4, 4

TAG576:

sII \$0, \$0, 0

mthi \$4

sll \$0, \$0, 0

bgez \$4, TAG577

TAG577:

subu \$2, \$4, \$4

lui \$2, 6

bne \$2, \$2, TAG578

sltu \$4, \$2, \$4

TAG578:

lui \$4, 10

sll \$0, \$0, 0

mtlo \$4

xori \$1, \$4, 2

TAG579:

bne \$1, \$1, TAG580

sll \$0, \$0, 0

mult \$1, \$1

slti \$4, \$1, 3

TAG580:

sb \$4, 0(\$4)

bgez \$4, TAG581

lbu \$3, 0(\$4)

blez \$3, TAG581

TAG581:

lui \$3, 3

srav \$4, \$3, \$3

blez \$3, TAG582

sll \$0, \$0, 0

TAG582:

lui \$2, 7

mfhi \$2

mult \$2, \$2

lbu \$1, 0(\$2)

TAG583:

sb \$1, 0(\$1)

mflo \$1

sh \$1, -10000(\$1)

beq \$1, \$1, TAG584

TAG584:

sw \$1, -10000(\$1)

divu \$1, \$1

and \$2, \$1, \$1

xor \$3, \$2, \$1

TAG585:

lb \$4, 0(\$3)

mthi \$3

lui \$2, 0

mflo \$4

TAG586:

sltu \$2, \$4, \$4

sltiu \$4, \$2, 13

bgez \$2, TAG587

lui \$3, 6

TAG587:

sll \$0, \$0, 0

lhu \$4, -10000(\$1)

lb \$4, -10000(\$1)

mtlo \$1

TAG588:

sh \$4, 0(\$4)

div \$4, \$4

mult \$4, \$4

sltiu \$2, \$4, 4

TAG589:

multu \$2, \$2

mtlo \$2

srl \$2, \$2, 10

mthi \$2

TAG590:

multu \$2, \$2

or \$1, \$2, \$2

blez \$1, TAG591

or \$4, \$2, \$1

TAG591:

srav \$3, \$4, \$4

mfhi \$3

mult \$4, \$4

mfhi \$1

TAG592:

bne \$1, \$1, TAG593

multu \$1, \$1

mthi \$1

bgtz \$1, TAG593

TAG593:

mfhi \$3

lh \$1, 0(\$3)

multu \$1, \$1

mfhi \$4

TAG594:

lui \$2, 3

mtlo \$4

sub \$4, \$2, \$4

sll \$0, \$0, 0

TAG595:

subu \$4, \$4, \$4

mtlo \$4

lui \$4, 14

beq \$4, \$4, TAG596

TAG596:

sll \$0, \$0, 0

sll \$0, \$0, 0

subu \$1, \$4, \$4

sll \$0, \$0, 0

TAG597:

sll \$0, \$0, 0

sll \$0, \$0, 0

slti \$2, \$2, 9

bltz \$4, TAG598

TAG598:

multu \$2, \$2

mult \$2, \$2

mflo \$2

sh \$2, 0(\$2)

TAG599:

sb \$2, 0(\$2)

multu \$2, \$2

mfhi \$1

sw \$2, 0(\$2)

TAG600:

bne \$1, \$1, TAG601

mtlo \$1

bne \$1, \$1, TAG601

lui \$2, 11

TAG601:

sII \$0, \$0, 0

sll \$0, \$0, 0

lui \$2, 12

sll \$0, \$0, 0

TAG602:

mtlo \$2

andi \$1, \$2, 15

bltz \$1, TAG603

sw \$1, 0(\$1)

TAG603:

lw \$1, 0(\$1)

bltz \$1, TAG604

sb \$1, 0(\$1)

nor \$3, \$1, \$1

TAG604:

divu \$3, \$3

mthi \$3

lh \$2, 1(\$3)

mflo \$3

TAG605:

bne \$3, \$3, TAG606

lbu \$1, 0(\$3)

lh \$2, 0(\$1)

srav \$3, \$3, \$1

TAG606:

blez \$3, TAG607

srl \$2, \$3, 3

mflo \$4

bgez \$2, TAG607

TAG607:

sb \$4, 0(\$4)

mtlo \$4

beq \$4, \$4, TAG608

mthi \$4

TAG608:

sb \$4, 0(\$4)

sb \$4, 0(\$4)

sb \$4, 0(\$4)

mfhi \$2

TAG609:

mflo \$3

mult \$2, \$2

lui \$2, 6

beq \$3, \$3, TAG610

TAG610:

lui \$1, 3

beq \$1, \$2, TAG611

mflo \$3

beq \$2, \$2, TAG611

TAG611:

mfhi \$4

sb \$3, 0(\$3)

nor \$2, \$4, \$3

mflo \$2

TAG612:

lui \$4, 7

lbu \$2, 0(\$2)

mflo \$1

slti \$3, \$2, 8

TAG613:

slti \$4, \$3, 0

lui \$3, 8

multu \$3, \$4

multu \$3, \$3

TAG614:

mult \$3, \$3

sll \$0, \$0, 0

lbu \$4, 0(\$4)

multu \$4, \$4

TAG615:

lhu \$3, 0(\$4)

mult \$3, \$4

lhu \$4, -256(\$3)

mfhi \$1

TAG616:

bne \$1, \$1, TAG617

srl \$4, \$1, 8

lw \$4, 0(\$1)

beq \$4, \$4, TAG617

TAG617:

sb \$4, -256(\$4)

lui \$1, 15

bne \$1, \$1, TAG618

sh \$1, -256(\$4)

TAG618:

sll \$0, \$0, 0

addu \$4, \$1, \$1

xori \$4, \$1, 0

addu \$1, \$1, \$4

TAG619:

mfhi \$3

addu \$1, \$1, \$3

sll \$0, \$0, 0

ori \$2, \$1, 5

TAG620:

slt \$2, \$2, \$2

beq \$2, \$2, TAG621

mtlo \$2

bne \$2, \$2, TAG621

TAG621:

lui \$3, 0

multu \$3, \$2

xori \$3, \$3, 3

sb \$2, 0(\$3)

TAG622:

srlv \$3, \$3, \$3

beq \$3, \$3, TAG623

mfhi \$1

mflo \$2

TAG623:

sllv \$1, \$2, \$2

bne \$2, \$1, TAG624

sb \$2, 0(\$1)

beq \$2, \$1, TAG624

TAG624:

lw \$1, 0(\$1)

lui \$3, 9

and \$3, \$3, \$1

subu \$3, \$1, \$3

TAG625:

lh \$1, 0(\$3)

sllv \$2, \$3, \$3

sra \$2, \$2, 12

lui \$2, 4

TAG626:

lui \$4, 9

ori \$3, \$4, 5

mtlo \$2

sll \$0, \$0, 0

TAG627:

subu \$4, \$3, \$3

nor \$4, \$4, \$4

slti \$1, \$4, 3

sb \$1, 0(\$1)

TAG628:

sb \$1, 0(\$1)

lbu \$2, 0(\$1)

mfhi \$3

blez \$3, TAG629

TAG629:

mfhi \$3

multu \$3, \$3

mflo \$2

mtlo \$3

TAG630:

bgez \$2, TAG631

mthi \$2

sw \$2, 0(\$2)

bltz \$2, TAG631

TAG631:

slti \$4, \$2, 11

mthi \$4

bne \$4, \$2, TAG632

addu \$4, \$2, \$4

TAG632:

mtlo \$4

mtlo \$4

mthi \$4

ori \$3, \$4, 6

TAG633:

addiu \$1, \$3, 3

lui \$3, 10

bgez \$3, TAG634

sllv \$2, \$3, \$1

TAG634:

bgez \$2, TAG635

sll \$0, \$0, 0

mthi \$2

mthi \$2

TAG635:

sll \$0, \$0, 0

divu \$2, \$2

mult \$2, \$2

sll \$3, \$2, 15

TAG636:

sub \$4, \$3, \$3

mtlo \$3

mflo \$3

andi \$1, \$3, 7

TAG637:

mtlo \$1

lb \$2, 0(\$1)

mthi \$2

multu \$2, \$2

TAG638:

ori \$4, \$2, 8

blez \$4, TAG639

mult \$4, \$2

ori \$1, \$2, 1

TAG639:

lui \$3, 8

slti \$3, \$3, 4

sb \$1, 0(\$1)

mfhi \$1

TAG640:

lui \$2, 10

sh \$1, 0(\$1)

sra \$4, \$1, 6

lb \$1, 0(\$1)

TAG641:

bltz \$1, TAG642

lui \$1, 1

mthi \$1

div \$1, \$1

TAG642:

sll \$0, \$0, 0

beq \$1, \$2, TAG643

sllv \$3, \$2, \$2

bgez \$1, TAG643

TAG643:

sll \$0, \$0, 0

andi \$1, \$3, 15

bltz \$3, TAG644

mtlo \$1

TAG644:

beq \$1, \$1, TAG645

mfhi \$3

beq \$1, \$3, TAG645

lhu \$2, 0(\$3)

TAG645:

mtlo \$2

mflo \$1

mfhi \$3

lui \$2, 10

TAG646:

sll \$0, \$0, 0

bgtz \$2, TAG647

subu \$3, \$2, \$2

mflo \$2

TAG647:

mthi \$2

sll \$0, \$0, 0

lui \$2, 10

mfhi \$4

TAG648:

sII \$0, \$0, 0

mtlo \$4

and \$1, \$1, \$1

mtlo \$1

TAG649:

sll \$0, \$0, 0

divu \$1, \$4

bgtz \$1, TAG650

sll \$0, \$0, 0

TAG650:

bgez \$4, TAG651

mfhi \$1

slt \$1, \$4, \$1

multu \$4, \$1

TAG651:

mthi \$1

mtlo \$1

sll \$3, \$1, 7

mflo \$1

TAG652:

lui \$3, 3

mflo \$4

mthi \$1

slti \$2, \$4, 15

TAG653:

beq \$2, \$2, TAG654

mflo \$1

bne \$2, \$2, TAG654

ori \$2, \$2, 13

TAG654:

mflo \$2

beq \$2, \$2, TAG655

mtlo \$2

lui \$3, 11

TAG655:

sll \$0, \$0, 0

divu \$3, \$3

addiu \$1, \$1, 12

divu \$1, \$3

TAG656:

bne \$1, \$1, TAG657

lui \$1, 5

sll \$0, \$0, 0

bgtz \$1, TAG657

TAG657:

lui \$4, 8

mtlo \$1

slt \$3, \$1, \$1

sw \$1, 0(\$3)

TAG658:

lb \$2, 0(\$3)

lw \$3, 0(\$3)

lui \$4, 1

bne \$4, \$2, TAG659

TAG659:

lui \$2, 15

mthi \$4

lui \$1, 13

lui \$3, 10

TAG660:

lui \$2, 8

divu \$2, \$2

lui \$1, 0

sll \$0, \$0, 0

TAG661:

sb \$1, 0(\$1)

bltz \$1, TAG662

lui \$3, 2

sw \$1, 0(\$1)

TAG662:

sll \$0, \$0, 0

and \$2, \$3, \$3

sII \$0, \$0, 0

srlv \$3, \$3, \$2

TAG663:

divu \$3, \$3

beq \$3, \$3, TAG664

mfhi \$1

mflo \$3

TAG664:

sII \$0, \$0, 0

sll \$0, \$0, 0

sll \$0, \$0, 0

bltz \$4, TAG665

TAG665:

sll \$0, \$0, 0

mflo \$1

beq \$1, \$4, TAG666

sra \$1, \$1, 2

TAG666:

bgtz \$1, TAG667

multu \$1, \$1

and \$2, \$1, \$1

lui \$1, 11

TAG667:

mthi \$1

lui \$4, 3

sll \$0, \$0, 0

lui \$4, 4

TAG668:

sII \$0, \$0, 0

sII \$0, \$0, 0

blez \$4, TAG669

sll \$0, \$0, 0

TAG669:

beq \$4, \$4, TAG670

sll \$0, \$0, 0

bgtz \$4, TAG670

srav \$1, \$3, \$3

TAG670:

sll \$1, \$1, 15

or \$4, \$1, \$1

subu \$3, \$1, \$1

mtlo \$1

TAG671:

lui \$1, 4

addi \$3, \$3, 14

sltu \$4, \$1, \$3

mtlo \$1

TAG672:

sb \$4, 0(\$4)

lb \$2, 0(\$4)

mthi \$4

lbu \$4, 0(\$4)

TAG673:

sb \$4, 0(\$4)

bgtz \$4, TAG674

sb \$4, 0(\$4)

lui \$2, 14

TAG674:

mfhi \$2

bgez \$2, TAG675

sh \$2, 0(\$2)

sltu \$2, \$2, \$2

TAG675:

sh \$2, 0(\$2)

bgtz \$2, TAG676

srlv \$3, \$2, \$2

sw \$3, 0(\$3)

TAG676:

bgez \$3, TAG677

slt \$1, \$3, \$3

mfhi \$4

beq \$3, \$4, TAG677

TAG677:

lhu \$4, 0(\$4)

mflo \$1

sII \$0, \$0, 0

bltz \$4, TAG678

TAG678:

mult \$1, \$1

mult \$1, \$1

sllv \$1, \$1, \$1

addu \$1, \$1, \$1

TAG679:

sra \$2, \$1, 9

div \$1, \$1

bltz \$1, TAG680

lui \$1, 10

TAG680:

sll \$0, \$0, 0

sll \$0, \$0, 0

mfhi \$3

bne \$1, \$3, TAG681

TAG681:

mthi \$3

ori \$2, \$3, 12

addu \$2, \$3, \$3

srav \$4, \$3, \$3

TAG682:

sw \$4, 0(\$4)

mflo \$2

mult \$4, \$2

mflo \$1

TAG683:

sllv \$2, \$1, \$1

srav \$1, \$2, \$2

lui \$3, 3

mtlo \$3

TAG684:

multu \$3, \$3

lui \$1, 10

mult \$1, \$3

ori \$3, \$3, 12

TAG685:

mflo \$1

lui \$4, 8

sll \$0, \$0, 0

sllv \$1, \$2, \$2

TAG686:

sub \$3, \$1, \$1

mfhi \$4

bne \$4, \$3, TAG687

sh \$3, 0(\$4)

TAG687:

sh \$4, 0(\$4)

lui \$1, 8

or \$4, \$1, \$1

bltz \$4, TAG688

TAG688:

mflo \$4

lb \$2, 0(\$4)

bgez \$2, TAG689

lui \$3, 7

TAG689:

sII \$0, \$0, 0

sltiu \$1, \$3, 0

beq \$3, \$1, TAG690

mfhi \$4

TAG690:

bne \$4, \$4, TAG691

sh \$4, 0(\$4)

mthi \$4

sltiu \$2, \$4, 13

TAG691:

mtlo \$2

lui \$3, 11

beq \$3, \$2, TAG692

sll \$0, \$0, 0

TAG692:

blez \$3, TAG693

subu \$3, \$3, \$3

mthi \$3

beq \$3, \$3, TAG693

TAG693:

mthi \$3

lui \$4, 3

mfhi \$2

lhu \$4, 0(\$3)

TAG694:

lh \$1, 0(\$4)

sh \$4, 0(\$1)

sh \$1, 0(\$4)

mthi \$1

TAG695:

multu \$1, \$1

lui \$4, 7

add \$4, \$1, \$4

srl \$4, \$4, 0

TAG696:

sll \$0, \$0, 0

sw \$4, 0(\$2)

mult \$4, \$2

lui \$4, 1

TAG697:

sll \$0, \$0, 0

xori \$1, \$4, 1

mthi \$1

sltiu \$3, \$1, 13

TAG698:

bne \$3, \$3, TAG699

sllv \$4, \$3, \$3

multu \$3, \$4

multu \$4, \$3

TAG699:

multu \$4, \$4

lb \$2, 0(\$4)

multu \$2, \$4

mflo \$3

TAG700:

blez \$3, TAG701

xori \$2, \$3, 9

mflo \$4

div \$4, \$2

TAG701:

multu \$4, \$4

mfhi \$1

and \$2, \$1, \$1

lui \$1, 6

TAG702:

mfhi \$1

addu \$4, \$1, \$1

sb \$1, 0(\$4)

srav \$1, \$1, \$1

TAG703:

mult \$1, \$1

addi \$2, \$1, 6

bne \$2, \$2, TAG704

ori \$2, \$2, 2

TAG704:

slti \$2, \$2, 8

beq \$2, \$2, TAG705

mtlo \$2

mthi \$2

TAG705:

lbu \$4, 0(\$2)

sra \$1, \$2, 12

srl \$2, \$4, 12

multu \$2, \$1

TAG706:

bgez \$2, TAG707

multu \$2, \$2

mtlo \$2

blez \$2, TAG707

TAG707:

lb \$1, 0(\$2)

and \$2, \$2, \$2

Ih \$1, 0(\$1)

blez \$1, TAG708

TAG708:

lui \$3, 15

mthi \$3

bgez \$3, TAG709

mflo \$2

TAG709:

lbu \$2, 0(\$2)

lbu \$4, 0(\$2)

mfhi \$2

lui \$2, 13

TAG710:

sll \$0, \$0, 0

sll \$0, \$0, 0

bltz \$2, TAG711

sll \$0, \$0, 0

TAG711:

lbu \$3, 0(\$1)

mthi \$3

mult \$3, \$1

mult \$1, \$3

TAG712:

mfhi \$2

beq \$2, \$2, TAG713

lui \$1, 0

sw \$1, 0(\$2)

TAG713:

bne \$1, \$1, TAG714

multu \$1, \$1

blez \$1, TAG714

multu \$1, \$1

TAG714:

mflo \$1

xor \$2, \$1, \$1

nor \$2, \$2, \$2

sra \$3, \$2, 2

TAG715:

sh \$3, 1(\$3)

lui \$3, 1

bgtz \$3, TAG716

sll \$0, \$0, 0

TAG716:

srlv \$1, \$3, \$3

lui \$4, 3

mfhi \$2

mfhi \$4

TAG717:

multu \$4, \$4

sb \$4, 0(\$4)

mult \$4, \$4

blez \$4, TAG718

TAG718:

and \$3, \$4, \$4

andi \$1, \$4, 3

mtlo \$4

multu \$4, \$1

TAG719:

beq \$1, \$1, TAG720

mflo \$1

sh \$1, 0(\$1)

sw \$1, 0(\$1)

TAG720:

Ih \$3, 0(\$1)

mtlo \$1

lbu \$3, 0(\$1)

mtlo \$3

TAG721:

mthi \$3

beq \$3, \$3, TAG722

lui \$3, 13

sw \$3, 0(\$3)

TAG722:

sll \$0, \$0, 0

sll \$0, \$0, 0

bne \$3, \$3, TAG723

mtlo \$3

TAG723:

mflo \$2

sll \$0, \$0, 0

lui \$4, 13

sll \$0, \$0, 0

TAG724:

xori \$4, \$4, 11

subu \$2, \$4, \$4

sll \$0, \$0, 0

mfhi \$3

TAG725:

sh \$3, 0(\$3)

xor \$1, \$3, \$3

bltz \$3, TAG726

mult \$3, \$3

TAG726:

bltz \$1, TAG727

and \$4, \$1, \$1

sb \$4, 0(\$4)

sw \$1, 0(\$4)

TAG727:

bgtz \$4, TAG728

lw \$1, 0(\$4)

lui \$4, 13

lh \$4, 0(\$1)

TAG728:

bltz \$4, TAG729

sltiu \$2, \$4, 15

bgez \$4, TAG729

subu \$4, \$4, \$2

TAG729:

lui \$4, 11

sll \$0, \$0, 0

srav \$1, \$4, \$4

sll \$0, \$0, 0

TAG730:

multu \$1, \$1

sII \$0, \$0, 0

sll \$0, \$0, 0

blez \$3, TAG731

TAG731:

lui \$1, 6

nor \$3, \$1, \$3

lui \$4, 13

beq \$3, \$3, TAG732

TAG732:

mtlo \$4

andi \$2, \$4, 11

sb \$4, 0(\$2)

mfhi \$2

TAG733:

addiu \$2, \$2, 11

bne \$2, \$2, TAG734

nor \$4, \$2, \$2

multu \$4, \$4

TAG734:

mthi \$4

mfhi \$1

mult \$1, \$4

addiu \$2, \$4, 11

TAG735:

sll \$0, \$0, 0

addiu \$4, \$3, 12

mult \$2, \$2

and \$2, \$3, \$2

TAG736:

blez \$2, TAG737

sll \$0, \$0, 0

bgtz \$2, TAG737

lb \$3, 0(\$2)

TAG737:

sll \$0, \$0, 0

mflo \$4

srl \$3, \$4, 5

sltiu \$3, \$4, 3

TAG738:

multu \$3, \$3

mthi \$3

mult \$3, \$3

lui \$4, 12

TAG739:

lui \$1, 14

bne \$4, \$4, TAG740

mflo \$2

mthi \$2

TAG740:

srl \$2, \$2, 14

blez \$2, TAG741

ori \$1, \$2, 6

subu \$2, \$2, \$1

TAG741:

multu \$2, \$2

mthi \$2

sltu \$1, \$2, \$2

lw \$2, 0(\$2)

TAG742:

sh \$2, 0(\$2)

mfhi \$4

mthi \$2

lui \$4, 5

TAG743:

bne \$4, \$4, TAG744

sll \$0, \$0, 0

sll \$0, \$0, 0

srav \$1, \$4, \$4

TAG744:

beq \$1, \$1, TAG745

lui \$2, 12

mfhi \$2

mthi \$2

TAG745:

sll \$0, \$0, 0

lui \$2, 12

addu \$3, \$2, \$2

subu \$3, \$3, \$2

TAG746:

bne \$3, \$3, TAG747

sll \$0, \$0, 0

sII \$0, \$0, 0

sltiu \$4, \$4, 15

TAG747:

lw \$2, 0(\$4)

lhu \$3, 0(\$2)

beq \$4, \$3, TAG748

addiu \$4, \$3, 15

TAG748:

or \$1, \$4, \$4

xor \$4, \$4, \$1

bgtz \$1, TAG749

mflo \$2

TAG749:

mult \$2, \$2

bne \$2, \$2, TAG750

mthi \$2

xor \$1, \$2, \$2

TAG750:

nop

nop

test\_end:

beq \$0, \$0, test\_end

## nop

输出

@00003000: \$ 1 <= 00000008 @00003004: \$ 2 <= 00000009 @00003008: \$ 3 <= 00000004 @0000300c: \$ 4 <= 00000007 @00003010: \*00000000 <= 00000008 @00003014: \*00000004 <= 000000007

@00003018: \*00000008 <= 00000007 @0000301c: \*0000000c <= 00000004 @00003020: \*00000010 <= 00000004 @00003024: \*00000014 <= 00000008

@00003028: \*00000018 <= 00000009 @0000302c: \*0000001c <= 00000008

@00003030: \*00000020 <= 00000008 @00003034: \*00000024 <= 00000009

@00003038: \*00000028 <= 00000009 @0000303c: \*0000002c <= 00000008

@00003040: \*00000030 <= 00000007

@00003044: \*00000034 <= 00000008 @00003048: \*00000038 <= 00000008

@0000304c: \*0000003c <= 00000008

@00003050: \*00000040 <= 00000004

@00003054: \*00000044 <= 00000004

@00003058: \*00000048 <= 00000004

@0000305c: \*0000004c <= 00000004 @00003060: \*0000050 <= 00000004

@00003064: \*00000054 <= 00000009

@00003068: \*00000058 <= 00000009

@0000306c: \*0000005c <= 00000009

@00003070: \*00000060 <= 00000007

@00003074: \*00000064 <= 00000009

@00003078: \*00000068 <= 00000004 @0000307c: \*0000006c <= 00000007

@00003080: \*00000070 <= 00000008

@00003084: \*00000074 <= 00000009

@00003088: \*00000078 <= 00000004

@0000308c: \*0000007c <= 00000008

@00003094: \$ 1 <= 00000015

@00003098: \*00000014 <= 00001508

@0000309c: \$ 3 <= 00000000 @000030a0: \$ 1 <= 00000009

@000030a4: \*00000008 <= 00000007

@000030a8: \$ 1 <= 00000008

- @000030b4: \$ 3 <= 00010000
- @000030bc: \$ 3 <= 000e0000
- @000030c0: \$ 3 <= 00000000
- @000030c4: \$ 1 <= 00000000
- @000030c8: \*00000000 <= 00000000
- @000030cc: \$ 4 <= 00000000
- @000030e0: \$ 1 <= 00090000
- @000030e8: \$ 4 <= 00000009
- @000030f0: \$ 4 <= 000d0000
- @000030f4: \$ 1 <= fff2ffff
- @000030fc: \$ 3 <= fff2ffff
- @00003108: \$ 3 <= 00000000
- @00003110: \$ 2 <= 00000000
- @00003118: \$ 1 <= 00000000
- @00003120: \*00000000 <= 00000000
- @00003124: \$ 1 <= 000a0000
- @00003128: \$ 3 <= 00002800
- @0000312c: \$ 2 <= 00070000
- @00003130: \$ 2 <= 0007000a
- @00003134: \$ 1 <= 0007000b
- @0000313c: \$ 2 <= 00000000
- @00003140: \$ 1 <= 00000000
- @00003144: \$ 3 <= 000a0000
- @00003148: \$ 4 <= 000a0000
- @00003158: \$ 3 <= 00000000
- @00003164: \$ 4 <= 00000000
- @0000316c: \$ 2 <= 00000000
- @00003170: \$ 4 <= 000d0000
- @00003180: \$ 3 <= 00000000
- @00003180: \$ 3 <= 00000000
- @0000318c: \$ 2 <= 000b0000
- @00003194: \$ 3 <= 00000000
- @00003198: \$ 2 <= 00000000
- @0000319c: \*00000000 <= 00000000
- @000031a4: \$ 2 <= 00050000
- @000031a8: \$ 2 <= 00000000
- @000031ac: \*00000000 <= 00000000
- @000031b4: \$ 4 <= 00000000
- @000031c4: \$ 2 <= 00040000
- @000031d0: \$ 1 <= 00000001
- @000031d8: \$ 1 <= 00000001
- @000031dc: \$ 2 <= 00000000
- @000031e0: \$ 3 <= 00000000
- @000031e8: \$ 2 <= 00000000

- @000031ec: \$ 2 <= 00000000
- @000031f8: \$ 1 <= 00000000
- @000031fc: \$ 3 <= 00080000
- @00003200: \$ 2 <= 00000000
- @00003204: \$ 4 <= 00000000
- @00003208: \$ 4 <= fff7ffff
- @00003210: \$ 3 <= fff7ffff
- @00003210: \$ 3 <= fff7ffff
- @00003214: \$ 4 <= 00000000
- @0000321c: \$ 3 <= 00000000
- @00003224: \$ 1 <= 000a0000
- @00003228: \$ 4 <= fff60000
- @0000322c: \$ 2 <= fff60000
- @00003234: \$ 4 <= fff60003
- @00003238: \$ 2 <= 00000000
- @00003244: \$ 2 <= 000f0000
- @00003248: \$ 4 <= 00000000
- @00003250: \$ 3 <= 000d0000
- @00003254: \$ 3 <= 000000d0
- @00003258: \$ 4 <= 00000003
- @00003260: \$ 3 <= 00000000
- @00003260: \$ 3 <= 00000000
- @00003264: \$ 3 <= 00020000
- .
- @00003268: \$ 3 <= 00080000 @0000326c: \$ 3 <= 0000000b
- @00003270: \$ 3 <= 00000000
- @00003274: \$ 2 <= 00000000
- @0000327c: \$ 2 <= 00000000
- @00003284: \$ 1 <= 00000007
- @00003290: \$ 4 <= 000a0000
- @00003294: \$ 1 <= 000f0000
- @000032ac: \$ 1 <= 000f0000
- @000032b0: \$ 3 <= 00000000
- @000032b4: \$ 2 <= 00000000
- @000032b8: \$ 1 <= 00040000
- @000032bc: \$ 3 <= 000d0000
- @000032c0: \$ 3 <= 00060000
- @000032d8: \$ 2 <= 00070000
- @000032e4: \$ 4 <= 00020000
- @000032f4: \$ 3 <= 00090000
- @00003304: \$ 1 <= 00000001
- @00003308: \$ 3 <= 00090005
- @0000330c: \$ 4 <= 00000001
- @00003318: \*00000000 <= 00000100

- @00003324: \$ 2 <= fff8ffff
- @00003328: \$ 1 <= 00060000
- @0000332c: \$ 1 <= 00000000
- @00003330: \$ 4 <= 00000001
- @00003334: \$ 3 <= 00000100
- @00003340: \$ 1 <= 00000000
- @00003348: \*00000000 <= 00000100
- @0000334c: \$ 4 <= 00000100
- @00003350: \$ 3 <= 00000000
- @00003358: \$ 1 <= 00000000
- @00003360: \$ 1 <= 00000000
- @00003360: \$ 1 <= 00000000
- @00003364: \$ 3 <= 00000000
- @00003368: \$ 2 <= 00000100
- @0000336c: \$ 2 <= 00000001
- @00003374: \$ 4 <= 00000001
- @0000337c: \$ 4 <= 00000005
- @00003388: \$ 4 <= 000e0000
- @0000338c: \$ 3 <= 000e000c
- @0000339c: \$ 3 <= e000c000
- @000033a0: \$ 3 <= 00000000
- @000033a4: \$ 4 <= 00000000
- @000033a8: \$ 4 <= 00000000
- @000033ac: \$ 2 <= 00000000
- @000033b0: \$ 3 <= 00090000
- @000033b4: \$ 3 <= 000000c4
- @000033b8: \$ 2 <= 000e000c
- @000033d0: \$ 2 <= 00070006
- @000033d8: \$ 3 <= 00080000
- @000033e0: \$ 3 <= 00700060
- @000033e4: \$ 2 <= 00000000
- @000033ec: \$ 4 <= 000e000c
- @000033f0: \$ 2 <= 00007000
- @000033f4: \$ 1 <= 00000100
- @000033f8: \$ 3 <= 00000000
- @000033fc: \$ 2 <= 00070000
- @00003414: \$ 1 <= 00040000
- @00003418: \$ 1 <= 00000001
- @00003428: \$ 4 <= 00020000
- @00003430: \$ 3 <= 0002000e
- @00003440: \$ 3 <= 00020002
- @00003444: \$ 2 <= 00000001
- @00003458: \$ 2 <= 00000000
- @0000345c: \$ 4 <= 00000000

- @00003464: \$ 4 <= 00000000
- @00003470: \$ 3 <= 00000100
- @00003474: \*00000000 <= 00000100
- @00003478: \*00000000 <= 00000100
- @0000347c: \*00000000 <= 00000000
- @00003490: \$ 4 <= 00000000
- @00003494: \$ 3 <= 00000000
- @000034a4: \$ 2 <= 00000000
- @000034ac: \$ 4 <= 00000000
- @000034b4: \$ 2 <= 00000000
- @000034b8: \$ 2 <= 000b0000
- @000034c8: \$ 3 <= 00090000
- @000034d4: \$ 2 <= 00000480
- @000034d8: \*00000000 <= 00090000
- @000034e4: \$ 1 <= 000f0000
- @000034ec: \$ 3 <= 00000000
- @000034f4: \$ 3 <= 00000480
- @000034fc: \$ 1 <= 00000000
- @00003500: \*00000000 <= 00000000
- @00003504: \$ 3 <= 00000000
- @00003508: \*00000000 <= 00000000
- @00003510: \$ 1 <= 00000000
- @00003510: \$ 1 <= 00000000
- @00003514: \*00000000 <= 00000000
- @00003518: \$ 2 <= 00000000
- @0000351c: \$ 1 <= 00000000
- @00003524: \$ 3 <= 00000000
- @0000352c: \$ 3 <= 00000000
- @00003534: \$ 2 <= 00000000
- @00003540: \$ 3 <= 00050000
- @00003544: \$ 2 <= 00000000
- @00003548: \$ 2 <= 00000000
- @0000354c: \$ 4 <= 00000005
- @00003550: \$ 1 <= 00000000
- @00003554: \$ 2 <= 00000000
- @00003560: \$ 2 <= 00000000
- @00003564: \*00000000 <= 00000000
- @00003568: \$ 1 <= 00000000
- @00003574: \$ 4 <= 00000000
- @0000357c: \$ 4 <= 00000000
- @00003580: \*00000000 <= 00000000
- @00003588: \$ 1 <= 00000000
- @0000358c: \$ 1 <= 00000000
- @00003590: \$ 3 <= 00000000

- @00003598: \$ 1 <= 00000000
- @000035a0: \$ 3 <= 00000000
- @000035a4: \$ 1 <= 00000000
- @000035a8: \$ 3 <= 000a0000
- @000035b4: \$ 1 <= 000f0000
- @000035b8: \$ 4 <= 00000000
- @000035bc: \$ 2 <= 000a000b
- @000035c8: \$ 3 <= a000b000
- @000035cc: \$ 4 <= 00000001
- @000035d0: \$ 4 <= 00060000
- @000035e8: \$ 2 <= 00040000
- @000035f0: \$ 1 <= 00040000
- @000035f0: \$ 1 <= 00040000
- @000035f4: \$ 1 <= 00000001
- @000035f8: \$ 3 <= 000c0000
- @00003604: \$ 4 <= 00000000
- @00003608: \$ 2 <= 00000000
- @0000360c: \$ 3 <= 00060000
- @00003624: \$ 1 <= 00060000
- @00003628: \$ 4 <= 0006000c
- @00003634: \$ 1 <= 6000c000
- @0000363c: \$ 4 <= 90000000
- @00003648: \$ 2 <= 90000000
- @0000364c: \$ 1 <= 9000000d
- @00003660: \$ 4 <= 9000000e
- @00003684: \$ 3 <= 00000000
- @00003688: \$ 3 <= 00000000
- @00003690: \*00000000 <= 00000000
- @00003694: \$ 4 <= 00000000
- @00003698: \$ 4 <= 00000000
- @000036a0: \$ 3 <= 00000001
- @000036a4: \$ 1 <= 00080000
- @000036ac: \$ 3 <= 00000000
- @000036b0: \$ 1 <= ffffffff
- @000036b4: \$ 1 <= 00000000
- @000036b8: \$ 4 <= 00000000
- @000036bc: \$ 1 <= 000b0000
- @000036c8: \$ 1 <= 000d0000
- @000036cc: \$ 2 <= 00030000
- @000036d0: \$ 3 <= 00000180
- @000036d8: \$ 2 <= 00000000
- @000036e0: \$ 3 <= 00000000
- @000036e4: \$ 3 <= 000c0000
- @000036ec: \$ 3 <= 00000000

- @000036f0: \$ 3 <= 000c0000
- @000036f8: \$ 3 <= 00000018
- @00003714: \*00000000 <= 00000000
- @00003718: \$ 4 <= 00000000
- @00003720: \$ 1 <= 00000000
- @00003720: \$ 1 <= 00000000
- @00003734: \*00000000 <= 00000000
- @0000373c: \$ 3 <= 00000000
- @00003748: \$ 1 <= 00000000
- @00003758: \$ 3 <= 00000000
- @0000375c: \$ 1 <= 00000000
- @00003760: \*00000000 <= 00000000
- @00003768: \$ 3 <= 00000000
- @00003774: \$ 4 <= 00090000
- @00003784: \$ 4 <= 00090000
- @00003790: \$ 3 <= 00000001
- @00003794: \$ 1 <= 00000000
- @00003798: \$ 3 <= 00000010
- @0000379c: \$ 3 <= 00000001
- @000037a0: \$ 3 <= 00000005
- @000037a4: \$ 1 <= 000c0000
- @000037a8: \$ 3 <= fffffffa
- @000037ac: \*00000000 <= 0000fffa
- @000037b0: \$ 4 <= 00000000
- @000037b4: \$ 3 <= 00000000
- @000037b8: \$ 4 <= 00000000
- @000037bc: \*00000000 <= 0000ff00
- @000037c0: \$ 3 <= 00000001
- @000037c4: \$ 4 <= 00000000
- @000037cc: \$ 4 <= 00000001
- @000037d0: \$ 1 <= 000a0000
- @000037d4: \*00000000 <= 00000100
- @000037d8: \$ 3 <= 000a0001
- @000037e0: \$ 4 <= 00000000
- @000037e0: \$ 4 <= 00000000
- @000037e4: \$ 2 <= 00000001
- @000037e8: \$ 2 <= 000a0006
- @000037ec: \$ 3 <= 00020000
- @000037f0: \$ 3 <= 00020000
- @000037f4: \$ 3 <= fffdffff
- @000037f8: \$ 1 <= 00000000
- @00003804: \*00000000 <= 00000100
- @00003808: \$ 3 <= 00000000
- @00003814: \$ 1 <= 00000000

- @0000381c: \$ 2 <= 00010000
- @00003824: \$ 3 <= 000d0000
- @0000382c: \$ 2 <= 00000000
- @00003838: \*00000000 <= 00000000
- @0000383c: \$ 2 <= 00000000
- @00003844: \$ 2 <= 00000000
- @00003848: \$ 4 <= ffffffff
- @0000384c: \$ 1 <= fffffff7
- @00003854: \$ 2 <= 000001ff
- @00003858: \*00000000 <= 000001ff
- @00003864: \$ 4 <= 00000000
- @00003870: \$ 4 <= 000001ff
- @00003874: \$ 4 <= 00000000
- @00003878: \$ 4 <= 000f0000
- @00003894: \$ 2 <= 000d0000
- @00003898: \$ 3 <= 00040000
- @000038a0: \$ 2 <= 000f0000
- @000038ac: \$ 3 <= fb800000
- @000038bc: \$ 1 <= fb800000
- @000038c0: \$ 3 <= 00000000
- @000038d0: \$ 1 <= 00000002
- @000038e4: \$ 4 <= 00000000
- @000038e8: \$ 1 <= 00000000
- @000038e8. \$ 1 <= 00000000
- @000038ec: \$ 3 <= 000001ff
- @000038f4: \$ 1 <= 000001ff
- @000038f8: \$ 1 <= 00030000
- @00003904: \$ 3 <= 00000000
- @0000390c: \$ 3 <= 00030004
- @00003914: \$ 3 <= 00003000
- @00003920: \$ 4 <= 00000000
- @00003928: \*00000000 <= 00000100
- @00003930: \*00000000 <= 00000100
- @00003934: \$ 2 <= 00003009
- @0000393c: \$ 3 <= 00006000
- @00003948: \$ 4 <= 00000100
- @0000394c: \$ 4 <= 00000000
- @00003954: \$ 3 <= 00000000
- @0000395c: \$ 1 <= 00000000
- @00003960: \$ 3 <= 00000000
- @00003964: \$ 2 <= 00000000
- @0000396c: \$ 2 <= 00070000
- @00003974: \$ 1 <= 00000000
- @00003978: \$ 3 <= 0000000b
- @00003980: \*00000008 <= 0b000007

- @00003984: \$ 2 <= 00050000
- @00003990: \$ 4 <= 00010000
- @00003990: \$ 4 <= 00010000
- @00003994: \$ 1 <= 00050000
- @000039a0: \$ 3 <= 00050000
- @000039a4: \$ 2 <= 00000000
- @000039ac: \*00000000 <= 00000000
- @000039b8: \$ 4 <= 00000000
- @000039c0: \$ 2 <= 00000000
- @000039c0: \$ 2 <= 00000000
- @000039c4: \$ 2 <= 00000000
- @000039cc: \$ 4 <= 00000000
- @000039d0: \*00000000 <= 00000000
- @000039d4: \$ 2 <= 00000000
- @000039dc: \$ 1 <= 00000000
- @000039e4: \$ 3 <= 00000001
- @000039e8: \$ 4 <= 00000000
- @000039ec: \$ 4 <= 00000001
- @000039f4: \$ 1 <= 00000000
- @000039f8: \$ 1 <= 00000000
- @000039fc: \$ 4 <= 00000002
- @00003a04: \$ 4 <= 00000001
- @00003a08: \*00000000 <= 00000100
- @00003a0c: \$ 2 <= 00000001
- @00003a10: \*00000000 <= 00000100
- @00003a14: \$ 4 <= 00000001
- @00003a18: \$ 4 <= 00000001
- @00003a1c: \$ 2 <= 00090000
- @00003a20: \$ 4 <= 000c0000
- @00003a2c: \$ 3 <= 000c0007
- @00003a40: \$ 3 <= 00001800
- @00003a44: \$ 1 <= 00600000
- @00003a4c: \$ 4 <= 00001800
- @00003a54: \$ 1 <= 00001800
- @00003a60: \$ 4 <= 00000000
- @00003a64: \*00000000 <= 00000000
- @00003a68: \$ 1 <= ffffffff
- @00003a70: \*00000000 <= ffffffff
- @00003a78: \$ 4 <= 00000008
- @00003a80: \$ 1 <= 00000000
- @00003a84: \*00000000 <= ffff0008
- @00003a88: \$ 1 <= 00000000
- @00003a8c: \$ 2 <= 00000000
- @00003aa0: \$ 2 <= 0000000a

- @00003aa4: \*00000008 <= 000a0007
- @00003aa8: \$ 4 <= 00030000
- @00003ab4: \$ 4 <= 00030005
- @00003ab8: \$ 3 <= 00030000
- @00003abc: \$ 4 <= 0000000a
- @00003ac0: \$ 1 <= 0000000a
- @00003ac8: \$ 4 <= 00000000
- @00003acc: \$ 3 <= 00000008
- @00003ad0: \$ 4 <= 00000000
- @00003ad4: \$ 2 <= 00000007
- @00003adc: \$ 2 <= 000b0000
- @00003ae0: \$ 3 <= 00160000
- @00003afc: \$ 2 <= 00160007
- @00003b00: \$ 1 <= 00000000
- @00003b04: \$ 3 <= 00000000
- @00003b08: \$ 4 <= 000d0000
- @00003b10: \$ 1 <= 000e0000
- @00003b1c: \$ 3 <= 000001c0
- @00003b24: \$ 1 <= 00000001
- @00003b30: \$ 1 <= 00070000
- @00003b34: \$ 4 <= 00000000
- @00003b3c: \$ 1 <= 00000009
- @00003b40: \$ 1 <= 00000000
- @00003b44: \$ 2 <= 00000004
- @00003b4c: \$ 2 <= 00000000
- @00003b58: \*00000000 <= ffff0000
- @00003b60: \$ 3 <= 000d0000
- @00003b60: \$ 3 <= 000d0000
- @00003b64: \$ 1 <= 00000000
- @00003b6c: \$ 2 <= 00000000
- @00003b70: \$ 2 <= 00000000
- @00003b7c: \$ 4 <= 00000000
- @00003b84: \$ 2 <= 00000000
- @00003b88: \$ 2 <= 00070000
- @00003b8c: \$ 3 <= 00000006
- @00003b94: \$ 3 <= 00000000
- @00003ba4: \$ 2 <= 00000000
- @00003ba8: \$ 3 <= 00000000
- @00003bb4: \$ 2 <= 00000000
- @00003bb8: \$ 1 <= 00000008
- @00003bbc: \$ 3 <= 00000000
- @00003bc0: \$ 4 <= 00000000
- @00003bc4: \$ 2 <= 00000000
- @00003bc8: \$ 2 <= 00040000

- @00003bdc: \$ 1 <= 00040000
- @00003be0: \$ 1 <= 00000000
- @00003bf0: \$ 4 <= 00000000
- @00003bf8: \$ 2 <= ffff0000
- @00003bfc: \$ 3 <= ffff0000
- @00003c00: \$ 2 <= 00000000
- @00003c08: \$ 3 <= 00030000
- @00003c10: \$ 3 <= 00060000
- @00003c18: \$ 4 <= 00000000
- @00003c24: \$ 1 <= 000c0000
- @00003c28: \$ 3 <= 00000000
- @00003c2c: \$ 4 <= 00000000
- @00003c40: \$ 2 <= 00000000
- @00003c44: \$ 4 <= 00000000
- @00003c48: \$ 2 <= ffffffff
- @00003c54: \$ 3 <= ffffffff
- @00003c58: \$ 4 <= 00000000
- @00003c5c: \$ 3 <= fffffffe
- @00003c64: \$ 2 <= 00000000
- @00003c68: \$ 3 <= 00000000
- @00003c6c: \$ 1 <= 00000000
- @00003c70: \*00000000 <= 00000000
- @00003c78: \$ 4 <= 00000000
- @00003c80: \$ 3 <= 000d0000
- @00003c84: \*00000000 <= 00000000
- @00003c8c: \*00000000 <= 00000000
- @00003ca8: \$ 2 <= 000d0000
- @00003cb0: \$ 2 <= 00070000
- @00003cb8: \$ 2 <= 00050000
- @00003cbc: \$ 3 <= 00070000
- @00003ce0: \$ 4 <= 00000000
- @00003ce4: \$ 4 <= 00000000
- @00003ce8: \$ 1 <= 00000000
- @00003cec: \$ 1 <= 00000000
- @00003cf0: \$ 1 <= 00000000
- @00003cf4: \$ 4 <= 00000000
- @00003cf8: \$ 1 <= 00000000
- @00003d00: \$ 2 <= 00000000
- @00003d18: \*00000000 <= 00000000
- @00003d1c: \$ 1 <= 00000000
- @00003d20: \$ 3 <= 00000000
- @00003d30: \$ 2 <= 0000000a
- @00003d38: \$ 2 <= 0000000a
- @00003d40: \$ 3 <= 00000000

- @00003d48: \$ 4 <= 0000000a
- @00003d4c: \$ 2 <= 0000000a
- @00003d54: \$ 1 <= 00028000
- @00003d58: \*00000008 <= 00000007
- @00003d64: \$ 1 <= 00000000
- @00003d68: \$ 1 <= 00000000
- @00003d6c: \*00000000 <= 00000000
- @00003d74: \$ 1 <= 00000000
- @00003d7c: \$ 4 <= 00000000
- @00003d80: \$ 2 <= 00000000
- @00003d84: \$ 4 <= 000c0000
- @00003d8c: \$ 1 <= 00030000
- @00003da0: \$ 4 <= 00060000
- @00003dbc: \$ 2 <= 00020000
- @00003dc4: \$ 2 <= 00000000
- @00003dcc: \$ 1 <= 00000000
- @00003dd0: \$ 4 <= 00010000
- @00003de0: \$ 2 <= 00000000
- @00003de4: \$ 4 <= 00050000
- @00003de8: \$ 3 <= 00090000
- @00003dec: \$ 4 <= 00070000
- @000034cc. \$ + \= 00070000
- @00003df8: \$ 3 <= 00070000 @00003dfc: \$ 1 <= 0007000c
- .
- @00003e18: \$ 3 <= 00020000
- @00003e30: \$ 3 <= 00000001
- @00003e34: \$ 1 <= 00000000 @00003e38: \$ 1 <= 00000000
- @00003e3c: \$ 3 <= 00000000
- @00003e40: \$ 1 <= 00000000
- @00003e48: \$ 4 <= 00000000
- @00003e4c: \$ 2 <= 00000000
- @00003e50: \$ 2 <= 00000000
- @00003e54: \$ 2 <= 00040000
- @00003e64: \$ 2 <= 00000000
- @00003e6c: \*00000000 <= 00000000
- @00003e70: \*00000000 <= 00000000
- @00003e74: \$ 4 <= 00000000
- @00003e7c: \$ 1 <= 00000000
- @00003e80: \$ 1 <= 00000000
- @00003e84: \$ 2 <= 00000000
- @00003e88: \$ 4 <= 00000000
- @00003e94: \$ 4 <= 00000008
- @00003ea0: \$ 1 <= 00000001
- @00003ea4: \$ 1 <= 00000000

- @00003eac: \$ 1 <= 00000000
- @00003edc: \$ 4 <= 00000000
- @00003ee4: \$ 3 <= 00000000
- @00003eec: \$ 3 <= 00000000
- @00003ef0: \$ 2 <= 00000000
- @00003ef4: \$ 3 <= 00000000
- @00003ef8: \$ 2 <= 00000000
- @00003efc: \$ 2 <= 00000000
- @00003f08: \$ 1 <= 00000000
- @00003f10: \*00000000 <= 00000000
- @00003f14: \$ 1 <= 00000008
- @00003f1c: \$ 2 <= 00000007
- @00003f20: \$ 4 <= 00030000
- @00003f24: \$ 4 <= 000f0000
- @00003f28: \*00000004 <= 00000007
- @00003f2c: \$ 3 <= 00000000
- @00003f30: \$ 1 <= 00000006
- @00003f34: \$ 3 <= 000e0000
- @00003f48: \$ 3 <= 000f0007
- @00003f4c: \$ 1 <= 00040000
- @00003f54: \$ 4 <= 00030000
- @00003f60: \$ 2 <= 00000000
- @00003f64: \$ 3 <= 00030003
- @00003f6c: \$ 3 <= 00030000
- @00003f70: \$ 3 <= 00030000
- @00003f74: \$ 2 <= 18000000
- @00003f78: \$ 4 <= 00000000
- @00003f7c: \$ 4 <= 00000000
- @00003f84: \*00000000 <= 00000000
- @00003f90: \$ 1 <= 00000000
- @00003f98: \$ 2 <= 00010000
- @00003f9c: \$ 2 <= 00000000
- @00003fa0: \$ 3 <= 00000000
- @00003fa8: \$ 2 <= 00000000
- @00003fb0: \$ 4 <= 00000000
- @00003fb4: \$ 2 <= 00000000
- @00003fb8: \$ 1 <= 00030000
- @00003fbc: \$ 2 <= 00000000
- @00003fc0: \*00000000 <= 00000000
- @00003fc4: \$ 2 <= 00000000
- @00003fc8: \*00000000 <= 00000000
- @00003fd0: \$ 2 <= 000e0000
- @00003fd0: \$ 2 <= 000e0000
- @00003fd8: \$ 2 <= 00000000

- @00003fe8: \$ 3 <= 00000002
- @00003ff0: \$ 1 <= 00000000
- @00003ff4: \*00000000 <= 00000000
- @00003ff8: \$ 2 <= 00000000
- @00003ffc: \$ 1 <= 00000000
- @00004000: \$ 2 <= 00030000
- @00004004: \$ 2 <= 00000008
- @00004008: \$ 4 <= 00000000
- @0000400c: \$ 1 <= 000e0000
- @00004010: \$ 4 <= 00020000
- @00004024: \$ 1 <= 00000000
- @00004028: \$ 4 <= 00000000
- @00004034: \$ 4 <= 00000000
- @00004038: \$ 2 <= 00000000
- @0000403c: \*00000000 <= 00000000
- @00004048: \$ 2 <= 000c0000
- @0000404c: \$ 2 <= 00000000
- @00004050: \$ 3 <= 00000000
- @00004058: \$ 4 <= 00040000
- @00004068: \$ 2 <= 00030000
- @00004074: \$ 1 <= 00030009
- @00004084: \$ 4 <= 00030000
- @00004094: \*00000000 <= 00000000
- @000040a0: \$ 2 <= 000b0000
- @000040a4: \$ 1 <= 000b0008
- @000040b4: \$ 4 <= 00580000
- @000040bc: \$ 3 <= 00000001
- @000040c8: \$ 1 <= 00000001
- @000040cc: \$ 4 <= 00000000
- @000040d0: \$ 1 <= 000b0008
- @000040d4: \*00000000 <= 00000008
- @000040e4: \$ 3 <= 00000000
- @000040e8: \$ 4 <= 00000008
- @000040f0: \$ 2 <= 00000008
- @000040f0: \$ 2 <= 00000008
- @000040f4: \$ 4 <= 0000000d
- @000040f8: \*00000008 <= 0000000d
- @000040fc: \$ 3 <= 00000001
- @00004100: \$ 4 <= 00000000
- @00004104: \$ 2 <= 00040000
- @00004110: \$ 3 <= 000f0000
- @00004114: \$ 4 <= 000f0000
- @00004118: \$ 2 <= 000d0000
- @0000411c: \$ 2 <= 00000000

- @00004120: \$ 4 <= 00000008
- @00004124: \$ 3 <= 000e0000
- @0000413c: \$ 3 <= 00000000
- @00004140: \$ 2 <= 00000008
- @0000414c: \$ 1 <= 00000008
- @00004154: \$ 1 <= 0000000d
- @00004168: \$ 2 <= 00000000
- @00004170: \$ 2 <= 000a0000
- @00004174: \$ 2 <= 000a0000
- @00004178: \$ 4 <= 0000000d
- @0000417c: \$ 2 <= 000b0000
- @00004184: \$ 2 <= 000d0000
- @0000418c: \$ 3 <= 00000008
- @00004198: \$ 2 <= 00000000
- @000041a0: \*00000000 <= 00000000
- @000041a4: \$ 1 <= 00000000
- @000041a8: \$ 3 <= 00000000
- @000041b0: \$ 3 <= 00000000
- @000041b0: \$ 3 <= 00000000
- @000041b4: \$ 1 <= 00000008
- @000041b8: \*00000000 <= 00000000
- @000041bc: \$ 3 <= 00000004
- @000041c0: \$ 4 <= 00050000
- @000041c4: \$ 1 <= 00005000
- @000041c8: \*00000004 <= 00050000
- @000041cc: \$ 4 <= 00000000
- @000041d0: \$ 4 <= 000a0000
- @000041dc: \$ 1 <= 00000000
- @000041e0: \$ 1 <= 00000000
- @000041e4: \$ 1 <= 00050000
- @000041f4: \$ 1 <= 00000000
- @000041f8: \$ 2 <= 00000001
- @00004200: \$ 2 <= 00000080 @00004204: \$ 1 <= 00020000
- @0000420c: \$ 3 <= 00000080
- @00004210: \$ 2 <= 00000080
- @00004214: \$ 3 <= 00020000
- @00004214. \$ 5 \= 00020000
- @00004220: \$ 2 <= 0002000b @00004230: \$ 2 <= 00028000
- .
- @00004238: \$ 4 <= 00028000
- @00004260: \$ 2 <= 00028000
- @00004270: \$ 3 <= 00028000
- @00004278: \$ 3 <= 00050000
- @0000427c: \$ 4 <= fffaffff

- @00004294: \$ 4 <= 00000000
- @000042a0: \$ 2 <= 00000000
- @000042a8: \$ 1 <= 00000000
- @000042b4: \$ 2 <= 00000000
- @000042bc: \$ 4 <= 000d0000
- @000042c4: \$ 2 <= 00000000
- @000042c8: \$ 3 <= 000d0000
- @000042cc: \$ 2 <= 00000000
- @000042d0: \*00000000 <= 00000000
- @000042d4: \$ 2 <= 00000000
- @000042f0: \$ 2 <= 00000000
- @000042f8: \$ 1 <= 00000000
- @000042fc: \$ 1 <= 00000000
- @00004300: \$ 1 <= 00000000
- @00004304: \*00000000 <= 00000000
- @00004310: \$ 2 <= 00000001
- @00004318: \*00000000 <= 00000001
- @00004320: \$ 1 <= 00000000
- @00004324: \$ 3 <= 00000001
- @00004330: \$ 3 <= 000c0000
- @0000433c: \$ 1 <= 00000001
- @00004340: \$ 2 <= 00000000
- @00004344: \$ 4 <= 00040000
- @0000434c: \$ 3 <= 00040000
- @00004350: \$ 3 <= 00050000
- @00004358: \$ 2 <= 000d0000
- @00004364: \$ 2 <= 000d0002
- @00004368: \$ 1 <= 00030000
- @0000436c: \$ 4 <= 000d000a
- @00004378: \$ 4 <= 000e0000
- @0000437c: \$ 3 <= 000d000a
- @00004380: \$ 3 <= 000d000a
- @00004388: \$ 4 <= 000000a9
- @00004398: \$ 2 <= 00000001
- @000043a8: \$ 3 <= 00040000
- @000043b0: \$ 2 <= 00000000
- @000043b8: \$ 1 <= fffc0000
- @000043c4: \$ 3 <= fff80010
- @000043cc: \$ 3 <= 00000000
- @000043d4: \$ 2 <= 00000000
- @000043d8: \$ 3 <= 00000000
- @000043dc: \*00000000 <= 00000000
- @000043e0: \$ 3 <= 00030000
- @00004404: \$ 1 <= 00000001

- @0000440c: \$ 1 <= 00000002
- @00004414: \$ 3 <= 00000001
- @00004424: \$ 1 <= 00000001
- @00004428: \*00000000 <= 00000100
- @0000442c: \$ 2 <= 00000001
- @00004430: \$ 1 <= 000d0000
- @00004434: \$ 3 <= 000b0000
- @00004438: \$ 3 <= 00000001
- @0000443c: \$ 1 <= 00000001
- @00004440: \$ 2 <= 00000001
- @00004444: \*00000000 <= 00000100
- @00004448: \$ 4 <= 00060000
- @0000444c: \$ 2 <= 00000001
- @00004454: \*00000000 <= 00000100
- @00004458: \$ 1 <= 00000001
- @0000445c: \$ 4 <= 00000001
- @00004460: \$ 3 <= 00000009
- @00004468: \$ 4 <= 00000000
- @0000446c: \$ 3 <= 00000100
- @00004474: \$ 1 <= 00010000
- @00004478: \$ 3 <= 00000100
- @00004480: \$ 4 <= 00000200
- @00004488: \$ 2 <= 00000200
- @00004490: \*00000000 <= 00000200
- @00004498: \*00000000 <= 00000200
- @000044a8: \$ 1 <= 00000000
- @000044ac: \$ 3 <= 00000001
- @000044b0: \$ 1 <= 00000000
- @000044b4: \$ 2 <= 000a0000
- @000044b8: \$ 4 <= 00000000
- @000044bc: \$ 2 <= 000f0000
- @000044c0: \$ 4 <= 00030000
- @000044c4: \$ 4 <= fff0ffff
- @000044cc: \$ 3 <= ffffffff
- @000044d4: \$ 1 <= 00000001
- @000044e0: \$ 1 <= 001e0000
- @000044e8: \$ 3 <= 00000000
- @000044ec: \$ 4 <= 00030000
- @000044f0: \$ 1 <= 00000001
- @000044fc: \$ 3 <= 00000001
- @00004500: \$ 4 <= 00000080
- @00004504: \$ 2 <= 00000000
- @00004508: \$ 4 <= ffffff81
- @00004510: \$ 4 <= 00020000

- @0000451c: \$ 2 <= 00000000
- @00004520: \$ 1 <= 000c0000
- @00004524: \$ 4 <= 00080000
- @00004538: \$ 4 <= 00080007
- @00004550: \$ 1 <= 00080000
- @00004558: \$ 3 <= 00070000
- @0000455c: \$ 2 <= 00000000
- @00004560: \$ 3 <= 00000000
- @00004564: \$ 4 <= 000d0000
- @00004568: \$ 2 <= 00000000
- @0000456c: \*00000000 <= 00000200
- @00004570: \*00000000 <= 00000200
- @00004574: \$ 4 <= 00000000
- @00004578: \$ 1 <= 00000000
- @0000457c: \$ 3 <= 00000003
- @00004584: \$ 3 <= 00000060
- @00004588: \$ 3 <= 00000060
- @00004590: \$ 4 <= 00000060
- @00004594: \$ 4 <= 000d0000
- @0000459c: \$ 4 <= 00060000
- @000045ac: \$ 3 <= 00000000
- @000045b8: \$ 4 <= 00000000
- @000045bc: \$ 3 <= 00030000
- @000045c0: \$ 1 <= 0003000f
- @000045dc: \$ 1 <= fffd0000
- @000045e4: \$ 3 <= fffd0000
- @000045e8: \$ 2 <= 00050000
- @000045ec: \$ 4 <= 00000000
- @000045f0: \$ 4 <= 00020000
- @000045fc: \$ 2 <= 00000000
- @00004600: \*00000000 <= 00000000
- @00004604: \$ 2 <= 000b0000
- @0000460c: \$ 4 <= 00000000
- @00004610: \*00000000 <= 00000000
- @00004614: \*00000000 <= 00000000
- @00004618: \*00000000 <= 00000000
- @00004624: \$ 1 <= 00000000
- @00004628: \$ 2 <= 00000007
- @0000462c: \$ 2 <= 00000000
- @00004630: \$ 2 <= 00000000
- @00004634: \$ 1 <= 00000000
- @00004638: \$ 1 <= 00000000
- @0000463c: \*00000000 <= 00000000
- @00004640: \*00000000 <= 00000000

- @00004648: \*00000000 <= 00000000
- @00004650: \$ 1 <= 00000000
- @00004654: \$ 3 <= 00000000
- @00004658: \$ 1 <= 00000006
- @0000465c: \$ 2 <= 00090000
- @00004664: \$ 1 <= 00000000
- @0000466c: \*00000000 <= 00000000
- @00004670: \$ 3 <= 00000000
- @00004678: \$ 4 <= 00080000
- @00004688: \*00000000 <= 00000000
- @0000468c: \$ 3 <= 00000001
- @00004694: \$ 4 <= 000b0000
- @000046a0: \$ 2 <= 00000000
- @000046a8: \$ 1 <= 2c000000
- @000046ac: \$ 2 <= 00000000
- @000046b0: \*00000000 <= 00000000
- @000046b4: \$ 2 <= 00000000
- @000046b8: \$ 2 <= 00000000
- @000046c0: \*00000000 <= 00000000
- @000046c4: \$ 2 <= 000f0000
- @000046c8: \$ 1 <= 00000000
- @000046d8: \$ 1 <= 00000000
- @000046dc: \$ 2 <= 000e0000
- @000046e0: \$ 2 <= 00040000
- @000046e4: \$ 3 <= 00000000
- @000046e8: \$ 4 <= 00000000
- @000046ec: \$ 1 <= 00000000
- @000046f0: \$ 4 <= 00000000
- @000046fc: \*00000000 <= 00000000
- @00004704: \$ 3 <= 00000000
- @00004710: \$ 3 <= 00000000
- @00004714: \$ 3 <= 00000000
- @00004718: \$ 4 <= 00000000
- @00004730: \$ 4 <= 000d0000
- @00004738: \$ 4 <= 000e0000
- @00004748: \$ 3 <= 00000001
- @0000474c: \$ 2 <= 00030000
- @00004754: \$ 2 <= 000e0000
- @00004764: \$ 3 <= 00000000
- @00004774: \*00000000 <= 00000000
- @00004780: \$ 3 <= 0000000c
- @00004784: \$ 2 <= 00000000
- @00004788: \$ 3 <= 00080000
- @00004798: \$ 2 <= 00000000

- @000047a0: \$ 1 <= 00090000
- @000047a8: \*00000000 <= 00000000
- @000047b0: \$ 4 <= 000e0000
- @000047bc: \$ 3 <= 00000000
- @000047c0: \*00000000 <= 00000000
- @000047c8: \*00000000 <= 00000000
- @000047d0: \$ 3 <= 00000000
- @000047d4: \$ 2 <= 00000000
- @000047d8: \$ 4 <= 0000000c
- @000047e0: \$ 1 <= 00000000
- @000047e0: \$ 1 <= 00000000
- @000047e4: \$ 1 <= 00000001
- @000047e8: \*00000000 <= 00000c00
- @000047f4: \$ 1 <= 00000000
- @00004800: \*00000000 <= 00000000
- @00004800: \*00000000 <= 00000000
- @00004804: \$ 4 <= 00000000
- @00004808: \*00000000 <= 00000000
- @0000480c: \$ 4 <= 00000000
- @00004810: \$ 3 <= 00000000
- @00004814: \*00000000 <= 00000000
- @00004818: \$ 2 <= 00000001
- @00004820: \$ 4 <= 00000002
- @00004824: \$ 1 <= 00000001
- @00004828: \$ 3 <= 00000000
- @00004830: \$ 3 <= 00000000
- @00004830: \$ 3 <= 00000000
- @00004834: \*00000000 <= 00000000
- @00004838: \$ 2 <= 00000000
- @0000483c: \$ 1 <= 00000000
- @00004840: \$ 3 <= 00000000
- @00004844: \$ 2 <= 00000000
- @0000484c: \$ 3 <= 00000000
- @00004850: \$ 3 <= 00000001
- @00004854: \$ 1 <= 00000000
- @0000485c: \$ 1 <= fffffffe
- @00004860: \$ 1 <= 00000006
- @00004864: \$ 3 <= 00000000
- @0000486c: \$ 2 <= 00020000
- @00004870: \$ 2 <= 00020003
- @0000487c: \$ 4 <= 00000000
- @00004880: \$ 3 <= 00070000
- @00004884: \$ 4 <= 00000000
- @00004894: \$ 1 <= 00000001

- @00004898: \$ 1 <= 000a0000
- @0000489c: \$ 2 <= 00000000
- @000048a0: \$ 3 <= 000e0000
- @000048a8: \$ 1 <= 00020000
- @000048ac: \$ 3 <= 000e0000
- @000048b8: \$ 3 <= 00000000
- @000048bc: \*00000000 <= 00000000
- @000048cc: \$ 1 <= 00000000
- @000048d0: \$ 1 <= 00000000
- @000048d8: \$ 4 <= 00000000
- @000048e0: \$ 4 <= 00000000
- @000048e0: \$ 4 <= 00000000
- @000048e8: \$ 1 <= 00000000
- @000048ec: \$ 1 <= 0000000b
- @000048f0: \$ 3 <= 00000000
- @000048f4: \$ 4 <= 00000001
- @000048f8: \*00000000 <= 00000b00
- @00004904: \$ 4 <= 00000007
- @0000490c: \$ 3 <= 00000007
- @00004910: \$ 1 <= 00000031
- @00004920: \$ 1 <= 00031000
- @00004924: \$ 1 <= 000d0000
- @00004930: \$ 4 <= 00000000
- @00004934: \$ 3 <= 00000000
- @00004938: \$ 2 <= 00000000
- @0000493c: \$ 3 <= 000000a9
- @00004944: \$ 4 <= 00000b00
- @00004948: \$ 2 <= 00000b06
- @0000494c: \$ 4 <= 00000b00
- @00004954: \$ 3 <= 000000a9
- @0000496c: \$ 3 <= 00000b00
- @00004974: \*00000000 <= 00000b00
- @00004984: \*00000000 <= 00000b00
- @00004988: \$ 2 <= 00000000
- @0000498c: \$ 2 <= 000a0000
- @00004990: \$ 4 <= 00000b00
- @00004994: \$ 4 <= fff5f4ff
- @000049a0: \$ 4 <= 80000000
- @000049a4: \$ 4 <= 80000000
- @000049a8: \$ 4 <= 000c0000
- @000049b4: \$ 2 <= 00000b00
- @000049b8: \*00000000 <= 00000b00
- @000049bc: \$ 2 <= 00000b00
- @000049c0: \$ 3 <= 00000000

- @000049c4: \$ 4 <= 00000b00
- @000049c8: \$ 4 <= 00000b01
- @000049cc: \$ 4 <= 00000b00
- @000049d0: \$ 4 <= 00001600
- @000049d4: \$ 4 <= 00000000
- @000049dc: \$ 2 <= 00000000
- @000049e0: \$ 3 <= 00000005
- @000049e4: \$ 1 <= 00000002
- @000049e8: \*00000000 <= 00050b00
- @000049f0: \*00000000 <= 00020b00
- @000049f8: \$ 2 <= 00000000
- @000049fc: \$ 3 <= 00000004
- @00004a00: \$ 3 <= 00000004
- @00004a04: \$ 4 <= 00000000
- @00004a08: \$ 4 <= 00000004
- @00004a0c: \$ 3 <= 00004000
- @00004a10: \$ 1 <= 00000000
- @00004a14: \$ 4 <= 00004000
- @00004a18: \$ 2 <= 000f0000
- @00004a1c: \$ 3 <= 00004000
- @00004a20: \$ 2 <= 00000004
- @00004a30: \$ 3 <= 00000000
- @00004a30: \$ 3 <= 00000000
- .
- @00004a34: \$ 1 <= 00000000
- @00004a38: \$ 1 <= 00000000
- @00004a3c: \$ 4 <= 00040000 @00004a4c: \$ 3 <= 00000000
- @00004a50: \$ 3 <= 00000000
- @00004a58: \$ 1 <= 000e0000
- @00004a64: \$ 3 <= 00000001
- @00004a6c: \$ 3 <= 00010000
- @00004a78: \$ 1 <= fffefffb
- @00004aa0: \$ 3 <= 00070000
- @00004aa8: \$ 1 <= 00000000
- @00004ab4: \$ 2 <= 00000b00
- @00004ac0: \$ 4 <= 00000001
- @00004acc: \$ 4 <= 00070000
- @00004ad0: \$ 4 <= 000001c0
- @00004ad4: \$ 1 <= 00080000
- @00004adc: \$ 4 <= 000001c1
- @00004ae0: \$ 3 <= 00000382
- @00004af4: \$ 2 <= 00000000
- @00004b04: \$ 2 <= 00020b00
- @00004b1c: \$ 4 <= 00000002

- @00004b20: \$ 1 <= 00000004
- @00004b28: \$ 3 <= 00000002
- @00004b2c: \$ 1 <= 00050000
- @00004b3c: \$ 2 <= 00000001
- @00004b44: \$ 1 <= 00000001
- @00004b4c: \$ 1 <= 00000000
- @00004b50: \$ 4 <= ffffffff
- @00004b60: \*00000000 <= 00020bff
- @00004b64: \*00000000 <= 00020bff
- @00004b70: \$ 4 <= 00000008
- @00004b74: \$ 3 <= 0000000f
- @00004b7c: \$ 4 <= 00000010
- @00004b88: \*00000010 <= 00000010
- @00004b94: \$ 1 <= 00000000
- @00004b98: \$ 3 <= 00000010
- @00004ba0: \*00000010 <= 00000010
- @00004ba4: \$ 3 <= 00000000
- @00004ba8: \$ 1 <= ffffffff
- @00004bac: \$ 3 <= ffffffff
- @00004bb0: \*00000000 <= 00020bff
- @00004bb4: \$ 2 <= 00000000
- @00004bb8: \*00000000 <= 00020b00
- @00004bbc: \$ 1 <= 00000b00
- @00004bc8: \$ 2 <= 000a0000
- @00004bd8: \$ 4 <= 00000000
- @00004be0: \$ 1 <= 00000000
- @00004be4: \$ 4 <= 000f0000
- @00004bec: \$ 1 <= 00000000
- @00004bf0: \$ 2 <= 00000b00
- @00004bf4: \$ 3 <= 00050000
- @00004bfc: \$ 1 <= 00000000
- @00004c00: \$ 1 <= 00000000
- @00004c04: \*00000000 <= 00000000
- @00004c0c: \*00000000 <= 00000000
- @00004c10: \$ 3 <= 00000000
- @00004c14: \*00000000 <= 00000000
- @00004c1c: \$ 1 <= 00000000
- @00004c20: \$ 2 <= 00000000
- @00004c24: \*00000000 <= 00000000
- @00004c28: \$ 2 <= 00000000
- @00004c2c: \$ 1 <= 00020000
- @00004c30: \$ 1 <= 00000000
- @00004c38: \$ 2 <= 00000000
- @00004c3c: \$ 3 <= 00000000

- @00004c40: \*00000000 <= 00000000
- @00004c48: \$ 2 <= 00000000
- @00004c4c: \$ 4 <= ffffffff
- @00004c50: \*00000000 <= 0000ffff
- @00004c54: \$ 2 <= 00000000
- @00004c58: \$ 2 <= 00000000
- @00004c64: \$ 1 <= 000e0000
- @00004c88: \$ 1 <= ffffffff
- @00004c90: \$ 3 <= 000c0000
- @00004c90: \$ 3 <= 000c0000
- @00004c94: \$ 1 <= 00030000
- @00004c98: \$ 3 <= 00000000
- @00004c9c: \$ 3 <= fffd0000
- @00004ca4: \$ 4 <= 00000000
- @00004cac: \$ 4 <= 000f0000
- @00004cbc: \$ 2 <= 00000001
- @00004cd4: \$ 2 <= 00000001
- @00004cd8: \$ 4 <= 00000001
- @00004ce4: \$ 2 <= 00000001
- @00004ce8: \$ 1 <= 000b0000
- @00004cec: \$ 1 <= 00058000
- @00004cfc: \$ 3 <= 00000000
- @00004d00: \$ 1 <= 0000ffff
- @00004d0c: \$ 1 <= 0000ffff
- @00004d14: \$ 2 <= 00020000
- @00004d18: \$ 1 <= 00000001
- @00004d24: \$ 3 <= 00000008
- @00004d30: \$ 1 <= 000e0000
- @00004d34: \$ 3 <= 000e0000
- @00004d38: \$ 4 <= 00000000
- @00004d40: \$ 1 <= 00000008
- @00004d44: \$ 1 <= 0000000c
- @00004d4c: \$ 1 <= 00000008
- @00004d50: \$ 1 <= 00010000
- @00004d58: \$ 3 <= 00000008
- @00004d60: \$ 3 <= 000c0000
- @00004d64: \$ 2 <= 000a0000
- @00004004. \$ Z <= 000000000
- @00004d6c: \$ 1 <= 00000000 @00004d70: \$ 4 <= 00000009
- @00004d7c: \$ 4 <= 00070000
- @00004d94: \$ 3 <= 00090000
- @00004d98: \$ 2 <= 00070000
- @00004d9c: \$ 3 <= 00010000
- @00004db8: \$ 1 <= 00000000

- @00004dbc: \$ 2 <= 00000000
- @00004dc0: \$ 3 <= 00050000
- @00004dcc: \$ 2 <= 00000000
- @00004dd0: \$ 2 <= 000f0000
- @00004ddc: \$ 4 <= 00000000
- @00004de0: \$ 3 <= 00000000
- @00004dec: \$ 2 <= ffffffff
- @00004df0: \*00000000 <= ffffffff
- @00004df4: \$ 2 <= 000a0000
- @00004df8: \$ 2 <= 00000000
- @00004dfc: \*00000000 <= ffffff00
- @00004e14: \$ 2 <= 00000000
- @00004e24: \$ 1 <= 00000000
- @00004e2c: \$ 2 <= 00040000
- @00004e44: \$ 4 <= 00800000
- @00004e5c: \$ 2 <= 000a0000
- @00004e64: \$ 2 <= 00140000
- @00004e6c: \$ 3 <= 00090000
- @00004e80: \$ 1 <= ff7fffff
- @00004e88: \$ 1 <= 0080000b
- @00004e94: \$ 2 <= 00090000
- @00004ea8: \$ 1 <= 00000000
- @00004eb4: \$ 2 <= 00000000
- @00004eb8: \$ 2 <= 00000000
- @00004ec0: \*00000000 <= ffffff00
- @00004ec4: \*00000000 <= 00000000
- @00004ed0: \$ 3 <= 000a0000
- @00004ed8: \$ 2 <= 00080000
- @00004ee4: \$ 2 <= 00000000
- @00004eec: \$ 1 <= 00800000
- @00004ef8: \$ 1 <= 00000000
- @00004f04: \$ 3 <= 00000000
- @00004f0c: \$ 2 <= 00000000
- @00004f14: \$ 4 <= 00000000
- @00004f18: \$ 3 <= 00000000
- @00004f1c: \$ 4 <= 00000000
- @00004f24: \$ 4 <= 00000000
- @00004f28: \$ 2 <= 00090000
- @00004f38: \$ 2 <= 0009000f
- @00004f40: \$ 4 <= 00000001
- @00004f40: \$ 4 <= 00000001
- @00004f44: \*00000000 <= 00000100
- @00004f4c: \$ 3 <= 00000000
- @00004f54: \$ 3 <= 00030000

- @00004f58: \$ 1 <= 0003000b
- @00004f5c: \$ 4 <= 00030005
- @00004f60: \$ 1 <= 00000000
- @00004f70: \$ 2 <= 000b0000
- @00004f74: \$ 1 <= 00160000
- @00004f80: \$ 4 <= 000b0002
- @00004f84: \$ 1 <= 00000000
- @00004f8c: \$ 3 <= 00000000
- @00004f94: \$ 1 <= 0000000a
- @00004f98: \$ 3 <= 00070000
- @00004f9c: \$ 2 <= 0006fff6
- @00004fa4: \$ 2 <= 0006ffff
- @00004fb4: \$ 1 <= 00040000
- @00004fb8: \$ 4 <= 00090000
- @00004fbc: \$ 2 <= 00090000
- @00004fd0: \$ 1 <= 00000000
- @00004fd4: \$ 4 <= 00090000
- @00004fd8: \*00000000 <= 00000000
- @00004fec: \$ 3 <= fff6ffff
- @00004ff0: \$ 3 <= 000b0000
- @00004ff8: \$ 1 <= 00090000
- @00005004: \$ 3 <= 00000001
- @00005008: \$ 1 <= 00000000
- @0000500c: \$ 2 <= 00000000
- @00005014: \$ 3 <= 00000000
- @00005018: \$ 4 <= 00090000
- @0000501c: \*00000000 <= 00000000
- @00005028: \$ 1 <= 00050000
- @0000502c: \$ 3 <= fffc0000
- @00005034: \$ 3 <= 00000001
- @00005038: \*00000000 <= 00000100
- @0000503c: \*00000000 <= 00000100
- @00005040: \$ 3 <= 0000000f
- @00005048: \$ 2 <= 00000000
- @00005050: \$ 4 <= 00000000
- @00005058: \*00000000 <= 00000000
- @00005060: \$ 3 <= 00000000
- @00005060: \$ 3 <= 00000000
- @00005064: \$ 4 <= 00000000
- @00005068: \$ 3 <= 00000000
- @0000506c: \*00000000 <= 00000000
- @00005070: \$ 1 <= 00010000
- @00005074: \$ 3 <= 00000006
- @0000507c: \$ 1 <= 00000000

- @00005084: \$ 1 <= 00090000
- @00005094: \$ 3 <= 0000000f
- @000050a0: \$ 2 <= 0000001d
- @000050a4: \$ 4 <= 00000000
- @000050a8: \$ 3 <= 0000000f
- @000050ac: \$ 3 <= 00000000
- @000050b0: \$ 4 <= 00000000
- @000050b4: \$ 3 <= 00000000
- @000050c4: \$ 1 <= 00000000
- @000050cc: \$ 3 <= 00000000
- @000050d0: \$ 4 <= 00000000
- @000050d4: \$ 1 <= ffffffff
- @000050d8: \$ 4 <= 00000000
- @000050dc: \$ 3 <= 00000000
- @000050f0: \$ 2 <= 00000000
- @000050f4: \$ 2 <= 00000000
- @000050fc: \*00000000 <= 00000000
- @00005104: \*00000000 <= 00000000
- @00005110: \$ 4 <= 00080000
- @00005128: \$ 4 <= 00080000
- @0000513c: \$ 4 <= 000b0000
- @00005154: \$ 4 <= 00000000
- @0000515c: \$ 3 <= 00080000
- @00005164: \$ 2 <= 00080003
- @00005168: \$ 2 <= 00010000
- @0000516c: \$ 4 <= ffffffff
- @00005170: \$ 1 <= 00080000
- @00005174: \$ 1 <= 00000005
- @00005178: \$ 4 <= ffffffff
- @0000517c: \$ 1 <= fffffffe
- @00005180: \*00000000 <= fffffffe
- @00005184: \$ 2 <= ffffffff
- @0000518c: \$ 3 <= 00070000
- @000051a4: \$ 3 <= fffffffe
- @000051ac: \$ 4 <= 00010000
- @000051b4: \$ 2 <= 80000000
- @000051b8: \$ 2 <= 00000001
- @000051bc: \$ 1 <= 00010002
- @000051d0: \$ 1 <= 0001000f
- @000051d4: \$ 2 <= 00070000
- @000051d8: \$ 2 <= 00000000
- @000051e0: \$ 3 <= 00000000
- @000051e4: \$ 3 <= 00030000
- @000051f8: \$ 1 <= 00000000

- @00005208: \$ 4 <= 00000000
- @0000520c: \$ 4 <= 00000000
- @00005214: \$ 2 <= fffffffe
- @00005218: \$ 4 <= 00000000
- @00005220: \$ 4 <= 00000000
- @00005224: \$ 1 <= 00000000
- @0000522c: \$ 4 <= 00020000
- @00005230: \$ 3 <= 00060000
- @00005244: \$ 2 <= 00060000
- @0000524c: \$ 1 <= 00000000
- @00005250: \$ 4 <= 00000000
- @00005254: \$ 1 <= 00000000
- @00005260: \$ 2 <= 00000000
- @00005260: \$ 2 <= 00000000
- @00005264: \$ 2 <= 00000000
- @00005268: \$ 3 <= 00000000
- @00005270: \$ 2 <= 00050000
- @00005278: \$ 3 <= 00050009
- @00005294: \$ 1 <= 00050000
- @00005298: \$ 3 <= 000a0000
- @0000529c: \$ 2 <= fff0ffff
- @000052a4: \$ 1 <= fff10005
- @000052ac: \$ 1 <= 00060000
- @000052cc: \$ 2 <= 00000001
- @000052d0: \*00000000 <= ffff01fe
- @000052d8: \$ 2 <= 00000001
- @000052e4: \$ 3 <= 000a0000
- @000052e8: \$ 4 <= 000a0001
- @000052ec: \$ 2 <= 00000000
- @000052f0: \$ 4 <= fffffffe
- @000052f4: \$ 2 <= 00000000
- @00005300: \*00000000 <= ffff0100
- @00005304: \$ 2 <= 000b0000
- @00005308: \$ 2 <= 00000000
- @00005310: \$ 1 <= 00000000
- @00005318: \$ 2 <= 00000000
- @00005330: \$ 2 <= ffffff00
- @00005334: \*00000000 <= fffffffe
- @00005338: \$ 4 <= 00000000
- @0000533c: \$ 3 <= fffffffe
- @00005340: \$ 3 <= 00000001
- @0000534c: \$ 4 <= 00000000
- @00005350: \$ 2 <= 00000000
- @00005354: \$ 3 <= 00000000

- @0000535c: \*00000000 <= ffff0000
- @00005364: \$ 1 <= 00000000
- @00005368: \$ 2 <= ffffffff
- @00005374: \$ 3 <= 00000000
- @00005378: \$ 1 <= 000c0000
- @0000537c: \$ 4 <= 00000000
- @00005380: \$ 4 <= 00000000
- @00005388: \$ 3 <= 00000009
- @00005390: \$ 1 <= 00000012
- @00005394: \$ 4 <= fffffff6
- @00005398: \$ 3 <= ffffffff
- @000053a4: \$ 3 <= ffffffff
- @000053a8: \$ 3 <= 0003ffff
- @000053b0: \$ 1 <= fffffffe
- @000053b4: \$ 3 <= 00000000
- @000053b8: \$ 1 <= 00000004
- @000053c0: \*00000004 <= 00050004
- @000053c4: \$ 4 <= 00000000
- @000053c8: \$ 1 <= 00000000
- @000053d0: \$ 2 <= 00000000
- @000053d0: \$ 2 <= 00000000
- @000053d4: \*00000000 <= 00000000
- @000053dc: \$ 4 <= 00090000
- @000053e0: \$ 4 <= 000d0000
- @000053e8: \$ 4 <= 00000000
- @000053f0: \$ 1 <= 00000000
- @000053f4: \$ 2 <= 00000000
- @00005408: \$ 1 <= 00000000
- @0000540c: \$ 2 <= 00020000
- @00005410: \$ 4 <= 00020000
- @0000541c: \$ 3 <= 00020000
- @00005424: \$ 1 <= 00000000
- @00005428: \$ 2 <= 00020000
- @00005438: \$ 3 <= 00000000
- @00005444: \$ 2 <= 00000001
- @00005468: \$ 2 <= 00080000
- @00005470: \$ 1 <= 00080000
- @00005478: \$ 2 <= 00000001
- @00005480: \$ 1 <= 00000002
- @00005480: \$ 1 <= 00000002
- @00005488: \$ 3 <= 00000002
- @000054a0: \$ 2 <= 00000000
- @000054a0: \$ 2 <= 00000000
- @000054a4: \$ 2 <= 00060000

- @000054ac: \$ 4 <= 00000000
- @000054b0: \$ 4 <= 000a0000
- @000054bc: \$ 1 <= 000a0002
- @000054cc: \$ 4 <= 00000000
- @000054d0: \*00000000 <= 00000000
- @000054d8: \$ 3 <= 00000000
- @000054e0: \$ 3 <= 00030000
- @000054e4: \$ 4 <= 00030000
- @000054f0: \$ 2 <= 00070000
- @000054f4: \$ 2 <= 00000064
- @000054fc: \$ 1 <= 00000009
- @00005500: \*00000008 <= 0000090d
- @00005504: \$ 1 <= 00002710
- @00005508: \*00000000 <= 00002710
- @00005510: \*00000000 <= 00002710
- @00005510: \*00000000 <= 00002710
- @00005518: \$ 2 <= 00002710
- @0000551c: \$ 3 <= 00000000
- @00005520: \$ 4 <= 00000010
- @00005528: \$ 2 <= 00000000
- @0000552c: \$ 4 <= 00000001
- @00005530: \$ 2 <= 00000000
- @00005534: \$ 4 <= 00000001
- @0000553c: \$ 3 <= 00060000
- @00005544: \$ 4 <= 00002710
- @00005548: \$ 4 <= 00000010
- @00005550: \*00000010 <= 00000010
- @0000555c: \$ 2 <= 00000000
- @00005568: \$ 2 <= 00000000
- @00005574: \$ 1 <= 00000000
- @0000557c: \$ 4 <= 00000000
- @00005580: \$ 3 <= 00000000
- @00005584: \$ 3 <= 00000000
- @0000558c: \$ 1 <= 00000000
- @000055a0: \$ 3 <= 00000000
- @000055a4: \$ 1 <= 00002710
- @000055ac: \$ 4 <= 00000000
- @000055b0: \$ 2 <= 00030000
- @000055b8: \$ 4 <= 00030000
- @000055c0: \$ 4 <= 00000000
- @000055c8: \$ 4 <= 000e0000
- @000055d8: \$ 1 <= 00000000
- @000055e8: \$ 2 <= 00000000
- @000055f8: \$ 2 <= 00000000

- @000055fc: \*00000000 <= 00000000
- @00005600: \*00000000 <= 00000000
- @00005608: \$ 1 <= 00000000
- @0000560c: \*00000000 <= 00000000
- @0000561c: \$ 2 <= 000b0000
- @00005628: \$ 2 <= 000c0000
- @00005634: \$ 1 <= 00000000
- @0000563c: \*00000000 <= 00000000
- @00005640: \$ 1 <= 00000000
- @00005648: \*00000000 <= 00000000
- @0000564c: \$ 3 <= ffffffff
- @00005658: \$ 2 <= 00000000
- @0000565c: \$ 3 <= 00000001
- @00005664: \$ 1 <= 00000000
- @00005668: \$ 2 <= 00000000
- @0000566c: \$ 3 <= 00000001
- @00005674: \$ 2 <= 00000000
- @00005678: \$ 4 <= 00000001
- @00005680: \*00000000 <= 00000100
- @00005680: \*00000000 <= 00000100
- @00005690: \*00000000 <= 00000100
- @00005694: \*00000000 <= 00000100
- @00005698: \*00000000 <= 00000100
- @0000569c: \$ 2 <= 00000001
- @000056a0: \$ 3 <= 00000001
- @000056a8: \$ 2 <= 00060000
- @000056b0: \$ 1 <= 00030000
- @000056b0: \$ 1 <= 00030000
- @000056b8: \$ 3 <= 00000001
- @000056c0: \$ 4 <= 00000000
- @000056c0: \$ 4 <= 00000000
- @000056c4: \*00000000 <= 00000100
- @000056c8: \$ 2 <= fffffffe
- @000056cc: \$ 2 <= 00000001
- @000056d0: \$ 4 <= 00070000
- @000056d4: \$ 2 <= 00000001
- @000056d8: \$ 1 <= 00000001
- @000056dc: \$ 3 <= 00000001
- @000056e0: \$ 4 <= 00000000
- @000056e4: \$ 3 <= 00080000
- @000056f8: \$ 4 <= 00000000
- @00005700: \$ 3 <= 00000100
- @00005708: \$ 4 <= 00000100
- @0000570c: \$ 1 <= 00000000

- @00005714: \$ 4 <= 00000000
- @00005718: \$ 4 <= 00000100
- @00005720: \*00000000 <= 00000100
- @00005720: \*00000000 <= 00000100
- @00005724: \$ 1 <= 000f0000
- @0000572c: \*00000000 <= 00000000
- @00005734: \$ 4 <= 001e0000
- @00005738: \$ 4 <= 000f0000
- @0000573c: \$ 1 <= 001e0000
- @00005740: \$ 3 <= 00000000
- @00005744: \$ 1 <= 001e0000
- @0000574c: \$ 2 <= 001e0005
- @00005750: \$ 2 <= 00000000
- @00005760: \$ 3 <= 00000000
- @00005768: \$ 3 <= 00000003
- @0000576c: \*00000000 <= 00000000
- @00005770: \$ 3 <= 00000000
- @00005778: \$ 1 <= 00000000
- @00005780: \$ 1 <= 00000000
- @00005788: \*00000000 <= 00000000
- @00005790: \$ 1 <= 00000000
- @00005790: \$ 1 <= 00000000
- @00005794: \$ 3 <= 00090000
- @00005798: \$ 3 <= 00000000
- @0000579c: \$ 3 <= 00000000
- @000057a0: \$ 1 <= 00000000
- @000057a4: \$ 2 <= 00000000
- @000057a8: \$ 2 <= 00000000
- @000057ac: \$ 2 <= 00040000
- @000057b0: \$ 4 <= 00090000
- @000057b4: \$ 3 <= 00090005
- @000057c0: \$ 4 <= 00000000
- @000057c4: \$ 4 <= ffffffff
- @000057c8: \$ 1 <= 00000001
- @000057cc: \*00000000 <= 00000100
- @000057d0: \*00000000 <= 00000100
- @000057d4: \$ 2 <= 00000001
- @000057d8: \$ 3 <= 00000000
- @000057e0: \$ 3 <= 00000000
- @000057e0: \$ 3 <= 00000000
- @000057e8: \$ 2 <= 00000000
- @00005800: \$ 4 <= 00000001
- @0000580c: \$ 4 <= 00000001
- @0000581c: \$ 3 <= 00000007

```
@00005820: $ 1 <= 0000000a
```

- @00005824: \$ 3 <= 000a0000
- @0000582c: \$ 2 <= 28000000
- @0000584c: \$ 3 <= 00000000
- @00005850: \$ 4 <= 00000000
- @00005858: \$ 3 <= 00000000
- @0000585c: \$ 1 <= 00000000
- @00005864: \$ 2 <= 00000000
- @00005870: \$ 4 <= 00000008
- @0000587c: \$ 1 <= 00000001
- @00005880: \$ 3 <= 00080000
- @00005884: \$ 3 <= 00000000
- @00005888: \*00000000 <= 00000100
- @0000588c: \$ 1 <= 00000000
- @00005890: \$ 2 <= 000a0000
- @00005894: \*00000000 <= 00000000
- @00005898: \$ 4 <= 00000000
- @0000589c: \$ 1 <= 00000000
- @000058a4: \$ 1 <= 00010000
- @000058b8: \$ 3 <= 000a0000
- @000058c4: \$ 1 <= 00000000
- @000058d4: \$ 3 <= 00000000
- @000058e4: \$ 1 <= 000a0000
- @000058e8: \$ 3 <= 00000000
- @000058ec: \$ 2 <= 000a0000
- @000058f8: \$ 3 <= 00000000
- @00005908: \$ 2 <= 000a0000
- @0000590c: \$ 4 <= 000a0000
- @00005918: \$ 1 <= 000a0000 @00005934: \$ 1 <= 00000000
- @00005948: \$ 3 <= 00000000
- @0000594c: \$ 1 <= 00000000
- @00005950: \$ 3 <= 00030000
- @00005954: \$ 4 <= 00000000
- @0000595c: \$ 2 <= 00000001
- @00005964: \$ 1 <= 00000000
- @00005970: \$ 2 <= 00000000
- @00003370: \$ Z <= 00000000
- @00005988: \$ 1 <= 0000000c
- @00005994: \$ 1 <= 00050000
- @000059a0: \$ 4 <= 00080000 @000059a0: \$ 4 <= 00080000
- @000059a8: \$ 3 <= 00000000
- @000059ac: \*00000000 <= 00050000
- @000059b0: \$ 2 <= 00000000

- @000059b4: \$ 3 <= 00050000
- @000059b8: \$ 4 <= 00010000
- @000059c0: \$ 2 <= 000f0000
- @000059c0: \$ 2 <= 000f0000
- @000059c8: \$ 1 <= 000d0000
- @000059cc: \$ 3 <= 000a0000
- @000059d0: \$ 2 <= 00080000
- @000059d8: \$ 1 <= 00000000
- @000059e0: \*00000000 <= 00050000
- @000059e8: \$ 3 <= 00020000
- @000059ec: \*00000000 <= 00000000
- @000059f4: \$ 2 <= 00020000
- @000059fc: \$ 3 <= 00020000
- @00005a08: \$ 1 <= 00000000
- @00005a24: \$ 1 <= 00000001
- @00005a2c: \$ 1 <= 00000000
- @00005a38: \$ 2 <= 00000000
- @00005a3c: \$ 1 <= 000b0000
- @00005a44: \$ 4 <= 00030000
- @00005a4c: \$ 4 <= 00040000
- @00005a70: \$ 1 <= 80000000
- @00005a74: \$ 4 <= 80000000
- @00005a78: \$ 3 <= 00000000
- @00005a80: \$ 1 <= 00040000
- @00005a84: \$ 3 <= 0000000e
- @00005a88: \$ 4 <= 00000000
- @00005a90: \*00000000 <= 00000000
- @00005a94: \$ 2 <= 00000000
- @00005a9c: \$ 4 <= 00000000
- @00005aa0: \*00000000 <= 00000000
- @00005aa8: \*00000000 <= 00000000
- @00005aac: \$ 2 <= 000e0000
- @00005ab0: \$ 2 <= 00000000
- @00005ab8: \*00000000 <= 00000000
- @00005ac0: \*00000000 <= 00000000
- @00005ac8: \$ 3 <= 00000000
- @00005acc: \*00000000 <= 00000000
- @00005ad4: \$ 1 <= 00000000
- @00005ae0: \$ 4 <= 00000000
- @00005ae4: \$ 1 <= 00040000
- @00005af8: \$ 1 <= 00040000
- @00005afc: \$ 1 <= 00080000
- @00005b00: \$ 2 <= 00000400
- @00005b0c: \$ 1 <= 000a0000

- @00005b18: \$ 3 <= 00000000
- @00005b24: \$ 2 <= 0000000c
- @00005b28: \$ 2 <= 00000000
- @00005b2c: \$ 4 <= 00000000
- @00005b30: \*00000000 <= 00000000
- @00005b34: \$ 2 <= 00000001
- @00005b3c: \$ 1 <= 00000000
- @00005b40: \$ 2 <= 00000000
- @00005b44: \$ 1 <= 00000000
- @00005b48: \$ 3 <= 00030000
- @00005b54: \$ 1 <= 000a0000
- @00005b5c: \$ 3 <= 0003000c
- @00005b60: \$ 1 <= 00000000
- @00005b64: \$ 4 <= 00080000
- @00005b6c: \$ 1 <= 00000000
- @00005b70: \$ 3 <= 00000000
- @00005b74: \$ 4 <= 0000001e
- @00005b7c: \*0000001c <= 00000008
- @00005b80: \*0000001c <= 001e0008
- @00005b84: \$ 1 <= 00080000
- @00005b88: \$ 4 <= 00080000
- @00005b90: \$ 4 <= 00000000
- @00005b94: \$ 2 <= 00000000
- @00005b9c: \$ 3 <= 00070000
- @00005ba4: \$ 1 <= 00000000
- @00005bac: \$ 4 <= 0000001e
- @00005bb4: \*0000001c <= 001e0008
- @00005bbc: \$ 2 <= 00000000
- @00005bc4: \$ 3 <= 000b0000
- @00005bd4: \$ 3 <= 00000000
- @00005be4: \$ 4 <= 00030000
- @00005be8: \$ 2 <= 00000000
- @00005bec: \$ 4 <= 00000000
- @00005bf0: \$ 1 <= 00000000
- @00005bf4: \*00000000 <= 00000000
- @00005bf8: \*00000000 <= 00000000
- @00005c04: \$ 4 <= 00070000
- @00005c08: \$ 4 <= 00070000
- @00005c0c: \$ 4 <= 00070000
- @00005c14: \*00000000 <= 00070000
- @00005c1c: \$ 4 <= 00010000
- @00005c24: \$ 1 <= 00010001
- @00005c2c: \$ 3 <= 00000000
- @00005c34: \$ 4 <= 00000000

- @00005c44: \$ 2 <= 00000000
- @00005c4c: \$ 3 <= 00000000
- @00005c54: \$ 2 <= 00000009
- @00005c64: \$ 1 <= 00000000
- @00005c68: \$ 2 <= 00000000
- @00005c6c: \$ 1 <= 00060000
- @00005c70: \$ 1 <= 00000000
- @00005c74: \$ 4 <= 00000000
- @00005c78: \*00000000 <= 00070000
- @00005c7c: \$ 1 <= 00000000
- @00005c84: \$ 2 <= 00000006
- @00005c8c: \$ 2 <= 00000006
- @00005c90: \$ 2 <= 00000001
- @00005ca0: \$ 4 <= 00000000
- @00005ca4: \$ 1 <= 00000000
- @00005ca8: \$ 2 <= 00000000
- @00005cc0: \$ 1 <= 00000000
- @00005cc4: \$ 2 <= 00000000
- @00005cc8: \$ 1 <= 00000000
- @00005cd0: \$ 3 <= 000f0000
- @00005cd0: \$ 3 <= 000f0000
- @00005cdc: \$ 2 <= 00000000
- @00005ce0: \$ 2 <= 00000000
- .
- @00005ce4: \$ 4 <= 00000000 @00005ce8: \$ 2 <= 000f0000
- @00005cec: \$ 2 <= 000d0000
- @00005d00: \$ 3 <= 00000000
- @00005d10: \$ 2 <= 00000000
- @00005d18: \$ 1 <= 00000000
- @00005d30: \$ 1 <= 00000000
- @00005d34: \$ 2 <= 00000000
- @00005d38: \$ 2 <= ffffffff
- @00005d3c: \$ 3 <= ffffffff
- @00005d40: \*00000000 <= 0007ffff
- @00005d44: \$ 3 <= 00010000
- @00005d50: \$ 1 <= 00010000
- @00005d54: \$ 4 <= 00030000
- @00005d58: \$ 2 <= 00000000
- @00005d5c: \$ 4 <= 00000000
- @00005d64: \*00000000 <= 0007ff00
- @00005d70: \$ 3 <= 00000000
- @00005d70: \$ 3 <= 00000000
- @00005d74: \$ 1 <= 00000000
- @00005d84: \$ 1 <= 00000000

- @00005d90: \$ 3 <= ffffff00
- @00005d98: \$ 3 <= 00000000
- @00005da8: \$ 3 <= 000d0000
- @00005dc0: \$ 2 <= 000d0000
- @00005dc8: \$ 4 <= 000d0000
- @00005dd0: \$ 4 <= 000d000b
- @00005dd4: \$ 2 <= 00000000
- @00005ddc: \$ 3 <= 00000000
- @00005de0: \*00000000 <= 00070000
- @00005de4: \$ 1 <= 00000000
- @00005df4: \$ 4 <= 00000000
- @00005df8: \*00000000 <= 00070000
- @00005dfc: \*00000000 <= 00000000
- @00005e04: \$ 1 <= 00000000
- @00005e08: \$ 4 <= 000d0000
- @00005e0c: \$ 4 <= 00000000
- @00005e14: \$ 2 <= 00000001
- @00005e1c: \$ 4 <= ffffffff
- @00005e20: \$ 4 <= 000b0000
- @00005e28: \$ 1 <= 000b0000
- @00005e40: \$ 1 <= 00060000
- @00005e40: \$ 1 <= 00060000
- @00005e44: \$ 3 <= fff9ffff
- @00005e48: \$ 4 <= 000d0000
- @00005e54: \$ 2 <= 00000000
- @00005e58: \*00000000 <= 00000000
- @00005e5c: \$ 2 <= 00000079
- @00005e60: \$ 2 <= 00000084
- @00005e68: \$ 4 <= ffffff7b
- @00005e74: \$ 1 <= ffffff7b
- @00005e7c: \$ 2 <= ffffff86
- @00005e84: \$ 4 <= fffa000b
- @00005e8c: \$ 2 <= fff9ff86
- @00005ea4: \$ 4 <= 00003a24
- @00005ea8: \$ 3 <= 000001d1
- @00005eac: \$ 3 <= 00000000
- @00005ebc: \$ 4 <= 000c0000
- @00005ec0: \$ 1 <= 000e0000
- @00005ec8: \$ 2 <= 00000000
- @00005ed0: \$ 2 <= 00000000
- @00005ed8: \$ 1 <= 00000006
- @00005ee8: \$ 1 <= 00000000
- @00005eec: \$ 2 <= 00000000
- @00005ef0: \*00000000 <= 00000000

- @00005ef4: \$ 4 <= 00000000
- @00005efc: \$ 4 <= 00050000
- @00005f0c: \$ 1 <= 00050000
- @00005f14: \$ 2 <= 000c0000
- @00005f24: \$ 2 <= 000c0000
- @00005f28: \$ 3 <= 00180000
- @00005f2c: \$ 3 <= 000c0000
- @00005f3c: \$ 4 <= 00000000
- @00005f40: \$ 2 <= 00000000
- @00005f44: \$ 3 <= 00000000
- @00005f4c: \$ 4 <= 0000000f
- @00005f50: \$ 1 <= 0000000f
- @00005f54: \$ 4 <= 00000000
- @00005f5c: \$ 2 <= 00000000
- @00005f6c: \$ 1 <= 00000000