PC	Machine Code	Basic Code	LABEL	ASM	Comment
0x0	0x00000013	addi x0 x0 0	__start:	addi x0, x0, 0	
0x4	0x00402103	lw x2 4(x0)		lw x2, 4(x0)	
0x8	0x00802203	lw x4 8(x0)		lw x4, 8(x0)	
0xc	0x004100B3	add x1 x2 x4		add x1, x2, x4	LR
0x10	0xFFF08093	addi x1 x1 -1		addi x1, x1, -1	
0x14	0x00C02283	lw x5 12(x0)		lw x5, 12(x0)	
0x18	0x01002303	lw x6 16(x0)		lw x6, 16(x0)	
0x1c	0x01402383	lw x7 20(x0)		lw x7, 20(x0)	
0x20	0x402200B3	sub x1 x4 x2		sub x1,x4,x2	
0x24	0x002270B3	and x1 x4 x2		and x1,x4,x2	
0x28	0x002260B3	or x1 x4 x2		or x1,x4,x2	
0x2c	0x002240B3	xor x1 x4 x2		xor x1,x4,x2	
0x30	0x002210B3	sll x1 x4 x2		sll x1,x4,x2	
0x34	0x002220B3	slt x1 x4 x2		slt x1,x4,x2	
0x38	0x004120B3	slt x1 x2 x4		slt x1,x2,x4	
0x3c	0x001350B3	srl x1 x6 x1		srl x1, x6, x1	RRR
0x40	0x402350B3	sra x1 x6 x2		sra x1, x6, x2	
0x44	0x4023D0B3	sra x1 x7 x2		sra x1, x7, x2	
0x48	0x007330B3	sltu x1 x6 x7		sltu x1, x6, x7	
0x4c	0x0063B0B3	sltu x1 x7 x6		sltu x1, x7, x6	
0x50	0x00000033	add x0 x0 x0		add x0,x0,x0	
0x54	0xFFD50093	addi x1 x10 -3		addi x1,x10,-3	
0x58	0x00F27093	andi x1 x4 15		andi x1,x4,15	
0x5c	0x00F26093	ori x1 x4 15		ori x1,x4,15	
0x60	0x00F24093	xori x1 x4 15		xori x1,x4,15	
0x64	0x00F22093	slti x1 x4 15		slti x1,x4,15	
0x68	0x00121093	slli x1 x4 1		slli x1,x4,1	
0x6c	0x00225093	srli x1 x4 2		srli x1,x4,2	
0x70	0x40C35093	srai x1 x6 12		srai x1, x6, 12	
0x74	0xFFF33093	sltiu x1 x6 -1		sltiu x1, x6, -1	
0x78	0xFFF3B093	sltiu x1 x7 -1		sltiu x1, x7, -1	
0x7c	0x00508863	beq x1 x5 16		beq x1,x5,label0	RRB
0x80	0x00420663	beq x4 x4 12		beq x4,x4,label0	
0x84	0x00000013	addi x0 x0 0		addi x0,x0,0	
0x88	0x00000013	addi x0 x0 0		addi x0,x0,0	
0x8c	0x00421863	bne x4 x4 16	label0:	bne x4,x4,label1	
0x90	0x00521663	bne x4 x5 12		bne x4,x5,label1	
0x94	0x00000013	addi x0 x0 0		addi x0,x0,0	
0x98	0x00000013	addi x0 x0 0		addi x0,x0,0	
0x9c	0x0042C863	blt x5 x4 16	label1:	blt x5,x4,label2	
0xa0	0x00524663	blt x4 x5 12		blt x4,x5,label2	
0xa4	0x00000013	addi x0 x0 0		addi x0,x0,0	
0xa8	0x00000013	addi x0 x0 0		addi x0,x0,0	
0xac	0x00736863	bltu x6 x7 16	label2:	bltu x6,x7,label3	
0xb0	0x0063E663	bltu x7 x6 12		bltu x7,x6,label3	
0xb4	0x00000013	addi x0 x0 0		addi x0,x0,0	
0xb8	0x00000013	addi x0 x0 0		addi x0,x0,0	
0xbc	0x00525863	bge x4 x5 16	label3:	bge x4,x5,label4	
0xc0	0x0042D663	bge x5 x4 12		bge x5,x4,label4	
0xc4	0x00000013	addi x0 x0 0		addi x0,x0,0	
0xc8	0x00000013	addi x0 x0 0		addi x0,x0,0	
0xcc	0x0063F863	bgeu x7 x6 16	label4:	bgeu x7,x6,label5	
0xd0	0x00737663	bgeu x6 x7 12		bgeu x6,x7,label5	
0xd4	0x00000013	addi x0 x0 0		addi x0,x0,0	
0xd8	0x00000013	addi x0 x0 0		addi x0,x0,0	
0xdc	0x00425663	bge x4 x4 12	label5:	bge x4,x4,label6	
0xe0	0x00000013	addi x0 x0 0		addi x0,x0,0	

0xe4	0x00000013	addi x0 x0 0		addi x0,x0,0	
0xe8	0x000040B7	lui x1 4	label6:	lui x1,4	
0xec	0x00C000EF	jal x1 12		jal x1,12	
0xf0	0x00000013	addi x0 x0 0		addi x0,x0,0	
0xf4	0x00000013	addi x0 x0 0		addi x0,x0,0	
0xf8	0x01802403	lw x8 24(x0)		lw x8, 24(x0)	LS
0xfc	0x00802E23	sw x8 28(x0)		sw x8, 28(x0)	
0x100	0x01C02083	lw x1 28(x0)		lw x1, 28(x0)	
0x104	0x02801023	sh x8 32(x0)		sh x8, 32(x0)	
0x108	0x02002083	lw x1 32(x0)		lw x1, 32(x0)	
0x10c	0x02800223	sb x8 36(x0)		sb x8, 36(x0)	
0x110	0x02402083	lw x1 36(x0)		lw x1, 36(x0)	
0x114	0x01A01083	lh x1 26(x0)		lh x1, 26(x0)	
0x118	0x01A05083	lhu x1 26(x0)		lhu x1, 26(x0)	
0x11c	0x01B00083	lb x1 27(x0)		lb x1, 27(x0)	
0x120	0x01B04083	lbu x1 27(x0)		lbu x1, 27(x0)	
0x124	0xFC5082E3	beq x1 x5 -60		beq x1,x5,label6	LLB
0x128	0xFFFF0097	auipc x1, 0xffff0		auipc x1, 0xffff0	
0x12c	0x00400093	addi x1, x0, 4		addi x1, x0, 4	
0x130	0x00800093	addi x1, x0, 8		addi x1, x0, 8	
0x134	0x000080E7	jalr x1, 0(x1)		jalr x1, 0(x1)	RRB
0x138	0x00000013	addi x0 x0 0		addi x0,x0,0	
0x13c	0x00000013	addi x0 x0 0		addi x0,x0,0	
0x140	0x00000013	addi x0 x0 0		addi x0,x0,0	