0.00   0.00100093   addi x1 x0 1   main: addi x1,x0,0x1   #x1 = 0x1     0x4   0x00100113   addi x2 x0 1   addi x2,x0,0x1   #x2 = 0x1     0x8   0x00100193   addi x3 x0 1   addi x3,x0,0x1   #x3 = 0x1     0x0   0x00100213   addi x4 x0 1   addi x4x0,0x1   #x4 = 0x1     0x10   0x00802283   lw x5 8(x0)   lw x5,0x8(x0)   #x5 = 0x80000000     0x14   0x00128333   add x6 x5 x1   add x6,x5 x1   #x6 = 0x80000001     0x18   0x00200383   xor x7 x1 x2   xor x7 x1,x2   #x7 = 0     0x10   0x40708433   sub x8 x1 x7   sub x8 x1x7   #x8 = 0x1     0x20   0xFFFF1E493   ori x9 x3 - 1   ori x9 x3 - 1   #x9 = 0xFFFFFFFF     0x24   0x00327533   and x10 x4 x3   and x10,x4 x3   #x10 = 0x1     0x22   0x05325B3   slx x11 x6 x5   six x11,x6,x5   #x11 = 0x0     0x30   0x0AA3C613   xori x12 x7 170   xori x12,x7,0xAa   #x12 = 0xAA     0x32   0x00000033   addix x0 x0   addix x0,x0 <t< th=""><th>PC</th><th>Machine Code</th><th>Basic Code</th><th>Original Code</th><th>Result</th></t<>	PC	Machine Code	Basic Code	Original Code	Result
0x4   0x00100113   addi x2 x0 1   addi x3,x0,0x1   #x3 = 0x1     0x8   0x00100213   addi x3 x0 1   addi x3,x0,0x1   #x3 = 0x1     0x0   0x00100213   addi x4 x0 1   addi x4,x0,0x1   #x4 = 0x1     0x10   0x00802283   lw x5 8(x0)   lw x5,0x8(x0)   #x5 = 0x80000000     0x14   0x00128333   add x6 x5 x1   add x6,x5,x1   #x6 = 0x80000001     0x18   0x0020C3B3   xor x7 x1 x2   xor x7 x1,x2   #x7 = 0     0x1c   0x40708433   sub x8 x1 x7   sub x8,x1,x7   #x8 = 0x1     0x24   0x0327533   and x10 x4 x3   and x10,x4,x3   #x10 = 0x1     0x28   0x00502223   sw x5 4(x0)   sw x5,0x4(x0)   #mem(1) = 0x80000000     0x2c   0x00532583   st x11 x6 x5   st x11,x6,x5   #x11 = 0x0     0x30   0x0AA3C613   xori x12 x7 170   xori x12,x7,0xAA   #x12 = 0xAA     0x33   0x0000013   addi x0 x0 0   addi x0,x0,x0     0x40   0x0012D683   srl x13 x5 x1   loop1:srl x13,x5 x1   #x13 = 0x40000000				_	
0x8   0x00100193   addi x3 x0 1   addi x3,x0,0x1   #x3 = 0x1     0xc   0x00100213   addi x4 x0 1   addi x4,x0,0x1   #x4 = 0x1     0x10   0x00802283   lw x5 8(x0)   lw x5,0x8(x0)   #x5 = 0x80000000     0x14   0x002128333   add x6 x5 x1   add x6,x5,x1   #x6 = 0x80000001     0x18   0x00200383   xor x7 x1 x2   xor x7 x1,x2   #x7 = 0     0x1c   0x40708433   xob x8 x1 x7   xor x7 x1,x2   #x7 = 0     0x20   0xFFF1E493   ori x9 x3 - 1   ri x9,x3,-1   #x9 = 0xFFFFFFFF     0x24   0x00327533   and x10 x4 x3   and x10,x4,x3   #x10= 0x1     0x28   0x00502223   xx x5 4(x0)   xw x5,0x4(x0)   #mem(1)= 0x80000000     0x2c   0x00532583   xst x11 x6 x5   slt x11,x6,x5   #x11= 0x0     0x30   0x0AA3C613   xori x12 x7 r10   xori x12,x7,0xAA   #x12= 0xAA     0x34   0x00818663   beq x3 x8 12   beq x3,x8,loop1     0x38   0x00000013   addi x0 x0 0   add x0,x0,x0     0x40					
0xc   0x00100213   addi x4 x0 1   addi x4,x0,0x1   #x4 = 0x1     0x10   0x00802283   lw x5 8(x0)   lw x5,0x8(x0)   #x5 = 0x80000000     0x14   0x00128333   add x6,5x1   add x6,5x1   #x6 = 0x80000001     0x18   0x0020C3B3   xor x7 x1 x2   xor x7,x1,x2   #x7 = 0     0x10   0x40708433   sub x8 x1 x7   sub x8,x1,x7   #x8 = 0x1     0x20   0xFFF1E493   ori x9 x3 - 1   mix 9,x3,-1   #x9 = 0xFFFFFFFF     0x24   0x00327533   and x10 x4 x3   and x10,x4 x3   #x110 = 0x1     0x22   0x00532583   slt x11 x6 x5   slt x11,x6,x5   #x11 = 0x0     0x30   0x0A345613   xori x12 x7 170   xori x12,x7,0xA4   #x12 = 0xAA     0x34   0x00818663   beq x3 x8 12   beq x3,x8,loop1     0x38   0x0000013   addi x0 x0 0   addi x0,x0,x0     0x40   0x0012D683   xrl x13 x5 x1   loop1;srl x13,x5 x1   #x13 = 0x40000000     0x42   0x0034P783   or x15 x9 x3   or x15 x9 x3   x15 x9 x3   #x15 = 0xFFFFFFFF					
0x10   0x00802283   lw x5 8(x0)   lw x5,0x8(x0)   #x5 = 0x80000000     0x14   0x00128333   add x6 x5 x1   add x6,x5,x1   #x6 = 0x80000001     0x18   0x0020C383   xor x7 x1 x2   xor x7,x1,x2   #x7 = 0     0x1c   0x40708433   xub x8 x1 x7   xub x8x1,x7   #x8 = 0x1     0x20   0xFFF1E493   ori x9 x3 - 1   ori x9,x3,-1   #x9 = 0xFFFFFFF     0x24   0x00327533   and x10 x4 x3   and x10,x4 x3   #x10 = 0x1     0x28   0x00502223   xw x5 4(x0)   xw x5,0x4(x0)   #mem(1) = 0x80000000     0x20   0x06532583   xl x11 x6 x5   sl x11,x6,x5   #x11 = 0x0     0x30   0x0AA3C613   xori x12 x7 170   xori x12,x7,0xAA   #x12 = 0xAA     0x34   0x00818663   beq x3 x8 12   beq x3,x81eop1   xx12 = 0xAA     0x38   0x0000013   addi x0 x0 0   addi x0,x0,x0   xx14 = 0x1     0x44   0x00147713   andi x14 x8 1   andi x14,x8,0x1   #x14 = 0x1     0x48   0x0034E783   or x15 x9 x3   or x15,x9,x3					
0x14   0x00128333   add x6 x5 x1   add x6,x5 x1   #x6 = 0x80000001     0x18   0x0020C3B3   xor x7 x1 x2   xor x7,x1,x2   #x7 = 0     0x1c   0x40708433   sub x8 x1 x7   sub x8,x1,x7   #x8 = 0x1     0x20   0xFFF1E493   or x9 x3 - 1   or x9 x3,-1   #x9 = 0xFFFFFFFF     0x24   0x00327533   and x10 x4 x3   and x10,x4 x3   #x10 = 0x1     0x28   0x00502223   sw x5 4(x0)   sw x5,0x4(x0)   #mem(1) = 0x80000000     0x2c   0x005325B3   slt x11 x6 x5   slt x11,x6,x5   #x11 = 0x0     0x30   0x0AA3C613   xori x12 x7 170   xori x12,x7,0xAA   #x12 = 0xAA     0x3d   0x00818663   beq x3 x8 12   beq x3,x8,loop1     0x3a   0x00000033   add x0 x0 x0   add x0,x0,x0     0x40   0x0012D683   srl x13 x5 x1   loop1:srl x13,x5x1   #x13 = 0x40000000     0x40   0x004147713   and ix14 x8 1   and ix14,x8,0x1   #x14 = 0x1     0x4d   0x00450833   add x16 x10 x10   add x16,x10,x10   #x16 = 0x2					
0x18   0x0020C3B3   xor x7 x1 x2   xor x7,x1,x2   #x7 = 0     0x1c   0x40708433   sub x8 x1 x7   sub x8,x1,x7   #x8 = 0x1     0x20   0xFFF1E493   ori x9 x3 - 1   ori x9,x3 - 1   #x9 = 0xFFFFFFFF     0x24   0x00327533   and x10 x4 x3   and x10,x4,x3   #x10 = 0x1     0x28   0x00502223   sw x5 4(x0)   sw x5,0x4(x0)   #mem(1) = 0x80000000     0x2c   0x005325B3   slt x11 x6 x5   slt x11,x6x5   #x11 = 0x0     0x30   0x0AA3C613   xori x12 x7 170   xori x12,x7,0xAA   #x12 = 0xAA     0x34   0x080818663   beq x3 x8 12   bed x3,x8 loop1   *x12 = 0xAA     0x32   0x00000033   add x0 x0 x0   add x0,x0,x0   *x13 = 0x40000000     0x40   0x0012D683   srl x13 x5 x1   loop1:srl x13,x5,x1   #x13 = 0x40000000     0x44   0x00147713   andi x14 x8 1   andi x14,x8,0x1   #x14 = 0x1     0x44   0x0034F783   or x15 x9 x3   or x15,x9 x3   #x15 = 0xFFFFFFFF     0x50   0x0085C883   add x16 x10 x10			` '	` '	
0x1c   0x40708433   sub x8 x1 x7   sub x8 x1 x7   #x8 = 0x1     0x20   0xFFF1E493   ori x9 x3 -1   #x9 = 0xFFFFFFFF     0x24   0x00327533   and x10 x4 x3   and x10 x4 x3   #x10 = 0x1     0x28   0x00502223   sw x5 4(x0)   sw x5,0x4(x0)   #mem(1)= 0x80000000     0x2c   0x005325B3   slt x11 x6 x5   slt x11,x6,x5   #x11 = 0x0     0x30   0x0AA3C613   xori x12 x7 170   xori x12,x7,0xAA   #x12 = 0xAA     0x34   0x00818663   beq x3 x8 12   beq x3,x8,loop1     0x38   0x00000013   addi x0 x0 0   addi x0,x0,x0     0x3c   0x00000033   add x0 x0 x0   add x0,x0,x0     0x40   0x012P683   srl x13 x5 x1   loop1:srl x13,x5,x1   #x13 = 0x40000000     0x40   0x00147713   andi x14 x8 1   andi x14,x8,0x1   #x14 = 0x1     0x44   0x00447713   and x14 x8 1   and x16,x10,x10   #x16 = 0x2     0x50   0x0085C883   xor x17 x11 x8   xr x17,x11,x8   #x17 = 0x1     0x54   0x00462983					
0x20   0xFFF1E493   ori x9 x3 -1   mri x9,x3,-1   #x9 = 0xFFFFFFFF     0x24   0x00327533   and x10 x4 x3   and x10,x4,x3   #x10= 0x1     0x28   0x00502223   sw x5 4(x0)   sw x5,0x4(x0)   #mem(1)= 0x80000000     0x2c   0x005325B3   slt x11 x6 x5   slt x11,x6,x5   #x11= 0x0     0x3d   0x00x18663   beq x3 x8 12   beq x3,x8,loop1     0x3a   0x00000013   addi x0 x0   addi x0,x0,x0     0x40   0x0012D683   srl x13 x5 x1   loop1:srl x13,x5,x1   #x13 = 0x40000000     0x40   0x0012D683   srl x13 x5 x1   loop1:srl x13,x5,x1   #x14 = 0x1     0x4d   0x00147713   andi x14 x8 1   andi x14,x8,0x1   #x14 = 0x1     0x4a   0x0045833   add x16 x10 x10   add x16,x10,x10   #x16 = 0x2     0x50   0x0085C8B3   xor x17 x11 x8   xor x17,x11,x8   #x17 = 0x1     0x54   0x00402903   lw x18 4(x0)   lw x18,0x4(x0)   #x18 = 0x80000000     0x58   0x004629B3   slt x19 x12 x4   slt x19,x12,x4   #x19 = 0					
0x24   0x00327533   and x10 x4 x3   and x10,x4,x3   #x10= 0x1     0x28   0x00502223   sw x5 4(x0)   sw x5,0x4(x0)   #mem(1)= 0x80000000     0x2c   0x005325B3   slt x11 x6 x5   slt x11,x6,x5   #x11= 0x0     0x30   0x0AA3C613   xori x12 x7 170   xori x12,x7,0xAA   #x12= 0xAA     0x34   0x00000013   addi x0 x0 x0   addi x0,x0,x0     0x40   0x0012D683   srl x13 x5 x1   loop1:srl x13,x5,x1   #x13= 0x40000000     0x40   0x0012D683   srl x13 x5 x1   loop1:srl x13,x5,x1   #x14= 0x1     0x40   0x00147713   andi x14 x8 1   andi x14,x8,0x1   #x14= 0x1     0x44   0x00147713   andi x14 x8 1   andi x14,x8,0x1   #x14= 0x1     0x48   0x0034E7B3   or x15 x9 x3   or x15,x9,x3   #x15= 0xFFFFFFFF     0x4c   0x00450833   add x16 x10 x10   add x16,x10,x10   #x16= 0x2     0x50   0x0085C8B3   xor x17 x11 x8   xor x17,x11,x8   #x17= 0x1     0x54   0x004629B3   slt x19 x12 x4   slt x19,x12,x4					
0x28   0x00502223   sw x5 4(x0)   sw x5,0x4(x0)   #mem(1)= 0x80000000     0x2c   0x005325B3   slt x11 x6 x5   slt x11,x6,x5   #x11= 0x0     0x30   0x0AA3C613   xori x12 x7 170   xori x12,x7,0xAA   #x12= 0xAA     0x34   0x00818663   beq x3 x8 12   beq x3,x8,loop1     0x38   0x00000033   add x0 x0 x0   add x0,x0,x0     0x40   0x0012D6B3   srl x13 x5 x1   loop1:srl x13,x5 x1   #x13= 0x40000000     0x44   0x00147713   andi x14 x8 1   andi x14,x8,0x1   #x14= 0x1     0x48   0x0034E7B3   or x15 x9 x3   or x15,x9,x3   #x15= 0xFFFFFFFF     0x4c   0x00A50833   add x16 x10 x10   add x16,x10,x10   #x16= 0x2     0x50   0x0085C8B3   xor x17 x11 x8   xor x17,x11,x8   #x17= 0x1     0x54   0x00402903   lw x18 4(x0)   lw x18,0x4(x0)   #x18= 0x8000000     0x58   0x00462983   slt x19 x12 x4   slt x19,x12,x4   #x19= 0     0x5c   0x0016DA13   srli x20 x13 1   srli x20,x13,0x1   #x20= 0x20000000 <td></td> <td></td> <td></td> <td></td> <td></td>					
0x2c   0x005325B3   slt x11 x6 x5   slt x11,x6,x5   #x11= 0x0     0x30   0x0AA3C613   xori x12 x7 170   xori x12,x7,0xAA   #x12= 0xAA     0x34   0x00818663   beq x3 x8 12   beq x3,x8,loop1     0x38   0x00000013   add x0 x0 x0   add x0,x0,x0     0x40   0x0012D6B3   srl x13 x5 x1   loop1:srl x13,x5,x1   #x14= 0x1     0x44   0x00147713   and x14 x8 1   and x14,x8,0x1   #x14= 0x1     0x48   0x0034E7B3   or x15 x9 x3   or x15,x9,x3   #x15= 0xFFFFFFFF     0x4c   0x00A50833   add x16 x10 x10   add x16,x10,x10   #x16= 0x2     0x50   0x0085C8B3   xor x17 x11 x8   xor x17,x11,x8   #x17= 0x1     0x54   0x00402993   lw x18 4(x0)   lw x18,0x4(x0)   #x18= 0x8000000     0x58   0x00462983   slt x19 x12 x4   slt x19,x12,x4   #x19= 0     0x5c   0x0016DA13   srli x20 x13 1   srli x20,x13,0x1   #x20= 0x20000000     0x64   0x01071463   bne x14 x16 8   bne x14,x12,loop2     0x68 <td></td> <td></td> <td></td> <td></td> <td></td>					
0x30   0x0AA3C613   xori x12 x7 170   xori x12,x7,0xAA   #x12= 0xAA     0x34   0x00818663   beq x3 x8 12   beq x3,x8,loop1     0x38   0x00000013   addi x0 x0 0   addi x0,x0,0x0     0x40   0x0012D6B3   srl x13 x5 x1   loop1:srl x13,x5,x1   #x13= 0x40000000     0x44   0x00147713   andi x14 x8 1   andi x14,x8,0x1   #x14= 0x1     0x48   0x0034E7B3   or x15 x9 x3   or x15,x9,x3   #x15= 0xFFFFFFF     0x4c   0x00A50833   add x16 x10 x10   add x16,x10,x10   #x16= 0x2     0x50   0x0085C8B3   xor x17 x11 x8   xor x17,x11,x8   #x17= 0x1     0x54   0x00402903   lw x18 4(x0)   lw x18,0x4(x0)   #x18= 0x80000000     0x58   0x004629B3   slt x19 x12 x4   slt x19,x12,x4   #x19= 0     0x5c   0x0016DA13   srli x20 x13 1   srli x20,x13,0x1   #x20= 0x20000000     0x60   0x00677AB3   and x21 x14 x6   and x21,x14,x10   #x21= 0x1     0x66   0x40128B33   sub x22 x5 x1   loop2:sub x22,x5x1   #x22= 0x7FF			` '	, ,	• •
0x34   0x00818663   beq x3 x8 12   beq x3,x8,loop1     0x38   0x00000013   addi x0 x0 0   addi x0,x0,0x0     0x3c   0x00000033   add x0 x0 x0   add x0,x0,x0     0x40   0x0012D6B3   srl x13 x5 x1   loop1:srl x13,x5,x1   #x13= 0x40000000     0x44   0x00147713   andi x14 x8 1   andi x14,x8,0x1   #x14= 0x1     0x48   0x0034E7B3   or x15 x9 x3   or x15,x9,x3   #x15= 0xFFFFFFF     0x4c   0x00A50833   add x16 x10 x10   add x16,x10,x10   #x16= 0x2     0x50   0x0085C8B3   xor x17 x11 x8   xor x17,x11,x8   #x17= 0x1     0x54   0x00402903   lw x18 4(x0)   lw x18,0x4(x0)   #x18= 0x80000000     0x58   0x004629B3   slt x19 x12 x4   slt x19,x12,x4   #x19= 0     0x5c   0x0016DA13   srli x20 x13 1   srli x20,x13,0x1   #x20= 0x20000000     0x60   0x00677AB3   and x21 x14 x6   and x21,x14,x10   #x21= 0x1     0x64   0x01071463   bne x14 x16 8   bne x14,x16,x10   #x22= 0x7FFFFFFF					
0x38   0x00000013   addi x0 x0 0   addi x0,x0,0x0     0x3c   0x00000033   add x0 x0 x0   add x0,x0,x0     0x40   0x0012D6B3   srl x13 x5 x1   loop1:srl x13,x5,x1   #x13= 0x40000000     0x44   0x00147713   andi x14 x8 1   andi x14,x8,0x1   #x14= 0x1     0x48   0x00A50833   add x16 x10 x10   add x16,x10,x10   #x16= 0x2     0x50   0x0085C8B3   xor x17 x11 x8   xor x17,x11,x8   #x17= 0x1     0x54   0x00402903   lw x18 4(x0)   lw x18,0x4(x0)   #x18= 0x80000000     0x58   0x004629B3   slt x19 x12 x4   slt x19,x12,x4   #x19= 0     0x50   0x0016DA13   srli x20 x13 1   srli x20,x13,0x1   #x20= 0x20000000     0x50   0x00171463   bne x14 x16 8   bne x14,x12,loop2   bne x14 x12,loop2     0x60   0x00774B3   and x21 x14 x6   and x21,x14,x10   #x22= 0x7FFFFFFFF     0x70   0x00150B93   addi x23 x10 1   addi x23,x10,0x1   #x22= 0x7FFFFFFF     0x70   0x00986C33   or x24 x16 x9   or x24,x16,x9 <td< td=""><td></td><td></td><td></td><td></td><td></td></td<>					
0x3c   0x00000033   add x0 x0 x0   add x0,x0,x0     0x40   0x0012D6B3   srl x13 x5 x1   loop1:srl x13,x5,x1   #x13= 0x40000000     0x44   0x00147713   andi x14 x8 1   andi x14,x8,0x1   #x14= 0x1     0x48   0x00A50833   or x15 x9 x3   or x15,x9,x3   #x16= 0x2     0x50   0x0085C8B3   xor x17 x11 x8   xor x17,x11,x8   #x17= 0x1     0x54   0x00402903   lw x18 4(x0)   lw x18,0x4(x0)   #x18= 0x80000000     0x58   0x004629B3   slt x19 x12 x4   slt x19,x12,x4   #x19= 0     0x5c   0x0016DA13   srli x20 x13 1   srli x20,x13,0x1   #x20= 0x20000000     0x60   0x00677AB3   and x21 x14 x6   and x21,x14,x10   #x21= 0x1     0x64   0x01071463   bne x14 x16 8   bne x14,x12,loop2     0x68   0x0000013   addi x23 x10 1   addi x23,x10,0x1   #x22= 0x7FFFFFFF     0x70   0x0150893   addi x23 x10 1   addi x23,x10,0x1   #x22= 0x7FFFFFFF     0x70   0x00986C33   or x24 x16 x9   or x24,x16,x9   #x24= 0xFFF			·		
0x40   0x0012D6B3   srl x13 x5 x1   loop1:srl x13,x5,x1   #x13= 0x40000000     0x44   0x00147713   andi x14 x8 1   andi x14,x8,0x1   #x14= 0x1     0x48   0x0034E7B3   or x15 x9 x3   or x15,x9,x3   #x15= 0xFFFFFFFF     0x4c   0x00A50833   add x16 x10 x10   add x16,x10,x10   #x16= 0x2     0x50   0x0085C8B3   xor x17 x11 x8   xor x17,x11,x8   #x17= 0x1     0x54   0x00402903   lw x18 4(x0)   lw x18,0x4(x0)   #x18= 0x80000000     0x58   0x004629B3   slt x19 x12 x4   slt x19,x12,x4   #x19= 0     0x5c   0x0016DA13   srli x20 x13 1   srli x20,x13,0x1   #x20= 0x20000000     0x60   0x00677AB3   and x21 x14 x6   and x21,x14,x10   #x21= 0x1     0x64   0x01071463   bne x14 x16 8   bne x14,x12,loop2   0x6     0x6a   0x00000013   addi x0 x0 0   addi x0,x0,0x0   x22= 0x7FFFFFFF     0x70   0x00150B93   addi x23 x10 1   addi x23,x10,0x1   #x22= 0x7FFFFFFF     0x74   0x00986C33   or x24 x16 x9 </td <td></td> <td>0x00000033</td> <td>add x0 x0 x0</td> <td></td> <td></td>		0x00000033	add x0 x0 x0		
0x44   0x00147713   andi x14 x8 1   andi x14,x8,0x1   #x14= 0x1     0x48   0x0034E7B3   or x15 x9 x3   or x15,x9,x3   #x15= 0xFFFFFFFF     0x4c   0x00A50833   add x16 x10 x10   add x16,x10,x10   #x16= 0x2     0x50   0x0085C8B3   xor x17 x11 x8   xor x17,x11,x8   #x17= 0x1     0x54   0x00402903   lw x18 4(x0)   lw x18,0x4(x0)   #x18= 0x80000000     0x58   0x004629B3   slt x19 x12 x4   slt x19,x12,x4   #x19= 0     0x5c   0x0016DA13   srli x20 x13 1   srli x20,x13,0x1   #x20= 0x20000000     0x60   0x00677AB3   and x21 x14 x6   and x21,x14,x10   #x21= 0x1     0x64   0x01071463   bne x14 x16 8   bne x14,x12,loop2     0x68   0x00000013   addi x0 x0 0   addi x0,x0,0x0     0x6c   0x40128B33   sub x22 x5 x1   loop2:sub x22,x5,x1   #x22= 0x7FFFFFFF     0x70   0x00150B93   addi x23 x10 1   addi x23,x10,0x1   #x23= 0x2     0x74   0x00986C33   or x24 x16 x9   or x24,x16,x9   #x24= 0xFFFFFF	0x40	0x0012D6B3	srl x13 x5 x1		#x13= 0x40000000
0x4c   0x00A50833   add x16 x10 x10   add x16,x10,x10   #x16= 0x2     0x50   0x0085C8B3   xor x17 x11 x8   xor x17,x11,x8   #x17= 0x1     0x54   0x00402903   lw x18 4(x0)   lw x18,0x4(x0)   #x18= 0x80000000     0x58   0x004629B3   slt x19 x12 x4   slt x19,x12,x4   #x19= 0     0x5c   0x0016DA13   srli x20 x13 1   srli x20,x13,0x1   #x20= 0x20000000     0x60   0x00677AB3   and x21 x14 x6   and x21,x14,x10   #x21= 0x1     0x64   0x01071463   bne x14 x16 8   bne x14,x12,loop2   bne x14,x12,loop2     0x68   0x00000013   addi x0 x0 0   addi x0,x0,0x0   #x22= 0x7FFFFFFF     0x70   0x00150B93   addi x23 x10 1   addi x23,x10,0x1   #x22= 0x7FFFFFFF     0x70   0x00986C33   or x24 x16 x9   or x24,x16,x9   #x24= 0xFFFFFFFF     0x78   0x0089CCB3   xor x25 x19 x11   xor x25,x19,x11   #x25= 0x0     0x7c   0x0FFA7D13   andi x26 x20 255   andi x26,x20,0xFF   #x26= 0x200000FF     0x80   0x00390DB3	0x44	0x00147713	andi x14 x8 1	·	#x14= 0x1
0x50   0x0085C8B3   xor x17 x11 x8   xor x17,x11,x8   #x17= 0x1     0x54   0x00402903   lw x18 4(x0)   lw x18,0x4(x0)   #x18= 0x80000000     0x58   0x004629B3   slt x19 x12 x4   slt x19,x12,x4   #x19= 0     0x5c   0x0016DA13   srli x20 x13 1   srli x20,x13,0x1   #x20= 0x20000000     0x60   0x00677AB3   and x21 x14 x6   and x21,x14,x10   #x21= 0x1     0x64   0x01071463   bne x14 x16 8   bne x14,x12,loop2     0x68   0x00000013   addi x0 x0 0   addi x0,x0,0x0     0x6c   0x40128B33   sub x22 x5 x1   loop2:sub x22,x5,x1   #x22= 0x7FFFFFFF     0x70   0x00150B93   addi x23 x10 1   addi x23,x10,0x1   #x23= 0x2     0x74   0x00986C33   or x24 x16 x9   or x24,x16,x9   #x24= 0xFFFFFFFF     0x78   0x00B9CCB3   xor x25 x19 x11   xor x25,x19,x11   #x25= 0x0     0x7c   0x0FFA7D13   andi x26 x20 255   andi x26,x20,0xFF   #x26= 0x200000FF     0x80   0x00390DB3   add x27 x18 x3   add x27,x18,x3 <t< td=""><td>0x48</td><td>0x0034E7B3</td><td>or x15 x9 x3</td><td>or x15,x9,x3</td><td>#x15= 0xFFFFFFF</td></t<>	0x48	0x0034E7B3	or x15 x9 x3	or x15,x9,x3	#x15= 0xFFFFFFF
0x54   0x00402903   lw x18 4(x0)   lw x18,0x4(x0)   #x18 = 0x80000000     0x58   0x004629B3   slt x19 x12 x4   slt x19,x12,x4   #x19 = 0     0x5c   0x0016DA13   srli x20 x13 1   srli x20,x13,0x1   #x20 = 0x20000000     0x60   0x00677AB3   and x21 x14 x6   and x21,x14,x10   #x21 = 0x1     0x64   0x01071463   bne x14 x16 8   bne x14,x12,loop2     0x68   0x00000013   addi x0 x0 0   addi x0,x0,0x0     0x6c   0x40128B33   sub x22 x5 x1   loop2:sub x22,x5,x1   #x22 = 0x7FFFFFFF     0x70   0x00150B93   addi x23 x10 1   addi x23,x10,0x1   #x23 = 0x2     0x74   0x00986C33   or x24 x16 x9   or x24,x16,x9   #x24 = 0xFFFFFFFF     0x78   0x00B9CCB3   xor x25 x19 x11   xor x25,x19,x11   #x25 = 0x0     0x7c   0x0FFA7D13   andi x26 x20 255   andi x26,x20,0xFF   #x26 = 0x200000FF     0x80   0x00390DB3   add x27 x18 x3   add x27,x18,x3   #x27 = 0x80000001     0x84   0x002A5E33   srl x28 x20 x2   srl x28,x20,x	0x4c	0x00A50833	add x16 x10 x10	add x16,x10,x10	#x16= 0x2
0x58   0x004629B3   slt x19 x12 x4   slt x19,x12,x4   #x19=0     0x5c   0x0016DA13   srli x20 x13 1   srli x20,x13,0x1   #x20= 0x20000000     0x60   0x00677AB3   and x21 x14 x6   and x21,x14,x10   #x21= 0x1     0x64   0x01071463   bne x14 x16 8   bne x14,x12,loop2     0x68   0x00000013   addi x0 x0 0   addi x0,x0,0x0     0x6c   0x40128B33   sub x22 x5 x1   loop2:sub x22,x5,x1   #x22= 0x7FFFFFFF     0x70   0x00150B93   addi x23 x10 1   addi x23,x10,0x1   #x23= 0x2     0x74   0x00986C33   or x24 x16 x9   or x24,x16,x9   #x24= 0xFFFFFFFF     0x78   0x00B9CCB3   xor x25 x19 x11   xor x25,x19,x11   #x25= 0x0     0x7c   0x0FFA7D13   andi x26 x20 255   andi x26,x20,0xFF   #x26= 0x200000FF     0x80   0x00390DB3   add x27 x18 x3   add x27,x18,x3   #x27= 0x800000001     0x84   0x002A5E33   srl x28 x20 x2   srl x28,x20,x2   #x28= 0x10000000     0x8c   0x0AF9EE93   ori x29 x19 175   ori x29,x19,0xAF <td>0x50</td> <td>0x0085C8B3</td> <td>xor x17 x11 x8</td> <td>xor x17,x11,x8</td> <td>#x17= 0x1</td>	0x50	0x0085C8B3	xor x17 x11 x8	xor x17,x11,x8	#x17= 0x1
0x5c   0x0016DA13   srli x20 x13 1   srli x20,x13,0x1   #x20= 0x20000000     0x60   0x00677AB3   and x21 x14 x6   and x21,x14,x10   #x21= 0x1     0x64   0x01071463   bne x14 x16 8   bne x14,x12,loop2     0x68   0x00000013   addi x0 x0 0   addi x0,x0,0x0     0x6c   0x40128B33   sub x22 x5 x1   loop2:sub x22,x5,x1   #x22= 0x7FFFFFFF     0x70   0x00150B93   addi x23 x10 1   addi x23,x10,0x1   #x23= 0x2     0x74   0x00986C33   or x24 x16 x9   or x24,x16,x9   #x24= 0xFFFFFFFF     0x78   0x00B9CCB3   xor x25 x19 x11   xor x25,x19,x11   #x25= 0x0     0x7c   0x0FFA7D13   andi x26 x20 255   andi x26,x20,0xFF   #x26= 0x200000FF     0x80   0x00390DB3   add x27 x18 x3   add x27,x18,x3   #x27= 0x80000001     0x84   0x002A5E33   srl x28 x20 x2   srl x28,x20,x2   #x28= 0x10000000     0x88   0x0AF9EE93   ori x29 x19 175   ori x29,x19,0xAF   #x30= 0x20000001     0x90   0x00802F83   lw x31 8(x0)   lw x31,0x8(	0x54	0x00402903	lw x18 4(x0)	lw x18,0x4(x0)	#x18= 0x80000000
0x60   0x00677AB3   and x21 x14 x6   and x21,x14,x10   #x21= 0x1     0x64   0x01071463   bne x14 x16 8   bne x14,x12,loop2     0x68   0x00000013   addi x0 x0 0   addi x0,x0,0x0     0x6c   0x40128B33   sub x22 x5 x1   loop2:sub x22,x5,x1   #x22= 0x7FFFFFFF     0x70   0x00150B93   addi x23 x10 1   addi x23,x10,0x1   #x23= 0x2     0x74   0x00986C33   or x24 x16 x9   or x24,x16,x9   #x24= 0xFFFFFFFF     0x78   0x00B9CCB3   xor x25 x19 x11   xor x25,x19,x11   #x25= 0x0     0x7c   0x0FFA7D13   andi x26 x20 255   andi x26,x20,0xFF   #x26= 0x200000FF     0x80   0x00390DB3   add x27 x18 x3   add x27,x18,x3   #x27= 0x80000001     0x84   0x002A5E33   srl x28 x20 x2   srl x28,x20,x2   #x28= 0x10000000     0x8c   0x001A0F33   add x30 x20 x1   add x30,x20,x1   #x30= 0x20000001     0x90   0x00802F83   lw x31 8(x0)   lw x31,0x8(x0)   #x31= 0x80000000     0x94   0xF6DFF06F   jal x0 -148   jal x0,main	0x58	0x004629B3	slt x19 x12 x4	slt x19,x12,x4	#x19= 0
0x64   0x01071463   bne x14 x16 8   bne x14,x12,loop2     0x68   0x00000013   addi x0 x0 0   addi x0,x0,0x0     0x6c   0x40128B33   sub x22 x5 x1   loop2:sub x22,x5,x1   #x22= 0x7FFFFFFF     0x70   0x00150B93   addi x23 x10 1   addi x23,x10,0x1   #x23= 0x2     0x74   0x00986C33   or x24 x16 x9   or x24,x16,x9   #x24= 0xFFFFFFFF     0x78   0x00B9CCB3   xor x25 x19 x11   xor x25,x19,x11   #x25= 0x0     0x7c   0x0FFA7D13   andi x26 x20 255   andi x26,x20,0xFF   #x26= 0x200000FF     0x80   0x00390DB3   add x27 x18 x3   add x27,x18,x3   #x27= 0x80000001     0x84   0x002A5E33   srl x28 x20 x2   srl x28,x20,x2   #x28= 0x10000000     0x88   0x0AF9EE93   ori x29 x19 175   ori x29,x19,0xAF   #x30= 0x20000001     0x90   0x00802F83   lw x31 8(x0)   lw x31,0x8(x0)   #x31= 0x80000000     0x94   0xF6DFF06F   jal x0 -148   jal x0,main     0x96   0x00000033   add x0 x0 x0   add x0,x0,x0	0x5c	0x0016DA13	srli x20 x13 1	srli x20,x13,0x1	#x20= 0x20000000
0x68   0x00000013   addi x0 x0 0   addi x0,x0,0x0     0x6c   0x40128B33   sub x22 x5 x1   loop2:sub x22,x5,x1   #x22= 0x7FFFFFF     0x70   0x00150B93   addi x23 x10 1   addi x23,x10,0x1   #x23= 0x2     0x74   0x00986C33   or x24 x16 x9   or x24,x16,x9   #x24= 0xFFFFFFF     0x78   0x00B9CCB3   xor x25 x19 x11   xor x25,x19,x11   #x25= 0x0     0x7c   0x0FFA7D13   andi x26 x20 255   andi x26,x20,0xFF   #x26= 0x200000FF     0x80   0x00390DB3   add x27 x18 x3   add x27,x18,x3   #x27= 0x80000001     0x84   0x002A5E33   srl x28 x20 x2   srl x28,x20,x2   #x28= 0x10000000     0x88   0x0AF9EE93   ori x29 x19 175   ori x29,x19,0xAF   #x29= 0xAF     0x8c   0x001A0F33   add x30 x20 x1   add x30,x20,x1   #x30= 0x20000001     0x90   0x00802F83   lw x31 8(x0)   lw x31,0x8(x0)   #x31= 0x80000000     0x94   0xF6DFF06F   jal x0 -148   jal x0,main     0x92   0x00000033   add x0 x0 x0   add x0,x0,x0,x0	0x60	0x00677AB3	and x21 x14 x6	and x21,x14,x10	#x21= 0x1
0x6c   0x40128B33   sub x22 x5 x1   loop2:sub x22,x5,x1   #x22= 0x7FFFFFFF     0x70   0x00150B93   addi x23 x10 1   addi x23,x10,0x1   #x23= 0x2     0x74   0x00986C33   or x24 x16 x9   or x24,x16,x9   #x24= 0xFFFFFFFF     0x78   0x00B9CCB3   xor x25 x19 x11   xor x25,x19,x11   #x25= 0x0     0x7c   0x0FFA7D13   andi x26 x20 255   andi x26,x20,0xFF   #x26= 0x200000FF     0x80   0x00390DB3   add x27 x18 x3   add x27,x18,x3   #x27= 0x80000001     0x84   0x002A5E33   srl x28 x20 x2   srl x28,x20,x2   #x28= 0x10000000     0x88   0x0AF9EE93   ori x29 x19 175   ori x29,x19,0xAF   #x29= 0xAF     0x8c   0x001A0F33   add x30 x20 x1   add x30,x20,x1   #x30= 0x20000001     0x90   0x00802F83   lw x31 8(x0)   lw x31,0x8(x0)   #x31= 0x80000000     0x94   0xF6DFF06F   jal x0 -148   jal x0,main     0x98   0x00000033   add x0 x0 x0   add x0,x0,x0     0x9c   0x00000033   add x0 x0 x0   add x0,x0,x0,x0	0x64	0x01071463	bne x14 x16 8	bne x14,x12,loop2	
0x70   0x00150B93   addi x23 x10 1   addi x23,x10,0x1   #x23= 0x2     0x74   0x00986C33   or x24 x16 x9   or x24,x16,x9   #x24= 0xFFFFFFFF     0x78   0x00B9CCB3   xor x25 x19 x11   xor x25,x19,x11   #x25= 0x0     0x7c   0x0FFA7D13   andi x26 x20 255   andi x26,x20,0xFF   #x26= 0x200000FF     0x80   0x00390DB3   add x27 x18 x3   add x27,x18,x3   #x27= 0x80000001     0x84   0x002A5E33   srl x28 x20 x2   srl x28,x20,x2   #x28= 0x10000000     0x88   0x0AF9EE93   ori x29 x19 175   ori x29,x19,0xAF   #x29= 0xAF     0x8c   0x001A0F33   add x30 x20 x1   add x30,x20,x1   #x30= 0x20000001     0x90   0x00802F83   lw x31 8(x0)   lw x31,0x8(x0)   #x31= 0x80000000     0x94   0xF6DFF06F   jal x0 -148   jal x0,main     0x98   0x00000033   add x0 x0 x0   add x0,x0,x0     0x9c   0x00000033   add x0 x0 x0   add x0,x0,x0	0x68	0x0000013	addi x0 x0 0	addi x0,x0,0x0	
0x74   0x00986C33   or x24 x16 x9   or x24,x16,x9   #x24= 0xFFFFFFF     0x78   0x00B9CCB3   xor x25 x19 x11   xor x25,x19,x11   #x25= 0x0     0x7c   0x0FFA7D13   andi x26 x20 255   andi x26,x20,0xFF   #x26= 0x200000FF     0x80   0x00390DB3   add x27 x18 x3   add x27,x18,x3   #x27= 0x80000001     0x84   0x002A5E33   srl x28 x20 x2   srl x28,x20,x2   #x28= 0x10000000     0x88   0x0AF9EE93   ori x29 x19 175   ori x29,x19,0xAF   #x29= 0xAF     0x8c   0x001A0F33   add x30 x20 x1   add x30,x20,x1   #x30= 0x20000001     0x90   0x00802F83   lw x31 8(x0)   lw x31,0x8(x0)   #x31= 0x80000000     0x94   0xF6DFF06F   jal x0 -148   jal x0,main     0x98   0x00000033   add x0 x0 x0   add x0,x0,x0     0x9c   0x00000033   add x0 x0 x0   add x0,x0,x0,x0	0x6c	0x40128B33	sub x22 x5 x1	loop2:sub x22,x5,x1	#x22= 0x7FFFFFF
0x78   0x00B9CCB3   xor x25 x19 x11   xor x25,x19,x11   #x25= 0x0     0x7c   0x0FFA7D13   andi x26 x20 255   andi x26,x20,0xFF   #x26= 0x200000FF     0x80   0x00390DB3   add x27 x18 x3   add x27,x18,x3   #x27= 0x80000001     0x84   0x002A5E33   srl x28 x20 x2   srl x28,x20,x2   #x28= 0x10000000     0x88   0x0AF9EE93   ori x29 x19 175   ori x29,x19,0xAF   #x29= 0xAF     0x8c   0x001A0F33   add x30 x20 x1   add x30,x20,x1   #x30= 0x20000001     0x90   0x00802F83   lw x31 8(x0)   lw x31,0x8(x0)   #x31= 0x80000000     0x94   0xF6DFF06F   jal x0 -148   jal x0,main     0x98   0x00000033   add x0 x0 x0   add x0,x0,x0     0x9c   0x00000033   add x0 x0 x0   add x0,x0,x0	0x70	0x00150B93	addi x23 x10 1	addi x23,x10,0x1	#x23= 0x2
0x7c   0x0FFA7D13   andi x26 x20 255   andi x26,x20,0xFF   #x26= 0x200000FF     0x80   0x00390DB3   add x27 x18 x3   add x27,x18,x3   #x27= 0x80000001     0x84   0x002A5E33   srl x28 x20 x2   srl x28,x20,x2   #x28= 0x10000000     0x88   0x0AF9EE93   ori x29 x19 175   ori x29,x19,0xAF   #x29= 0xAF     0x8c   0x001A0F33   add x30 x20 x1   add x30,x20,x1   #x30= 0x20000001     0x90   0x00802F83   lw x31 8(x0)   lw x31,0x8(x0)   #x31= 0x80000000     0x94   0xF6DFF06F   jal x0 -148   jal x0,main     0x98   0x00000033   add x0 x0 x0   add x0,x0,x0     0x9c   0x00000033   add x0 x0 x0   add x0,x0,x0	0x74	0x00986C33	or x24 x16 x9	or x24,x16,x9	#x24= 0xFFFFFFF
0x80   0x00390DB3   add x27 x18 x3   add x27,x18,x3   #x27= 0x80000001     0x84   0x002A5E33   srl x28 x20 x2   srl x28,x20,x2   #x28= 0x10000000     0x88   0x0AF9EE93   ori x29 x19 175   ori x29,x19,0xAF   #x29= 0xAF     0x8c   0x001A0F33   add x30 x20 x1   add x30,x20,x1   #x30= 0x20000001     0x90   0x00802F83   lw x31 8(x0)   lw x31,0x8(x0)   #x31= 0x80000000     0x94   0xF6DFF06F   jal x0 -148   jal x0,main     0x98   0x00000033   add x0 x0 x0   add x0,x0,x0     0x9c   0x00000033   add x0 x0 x0   add x0,x0,x0	0x78	0x00B9CCB3	xor x25 x19 x11	xor x25,x19,x11	#x25= 0x0
0x84   0x002A5E33   srl x28 x20 x2   srl x28,x20,x2   #x28= 0x10000000     0x88   0x0AF9EE93   ori x29 x19 175   ori x29,x19,0xAF   #x29= 0xAF     0x8c   0x001A0F33   add x30 x20 x1   add x30,x20,x1   #x30= 0x20000001     0x90   0x00802F83   lw x31 8(x0)   lw x31,0x8(x0)   #x31= 0x80000000     0x94   0xF6DFF06F   jal x0 -148   jal x0,main     0x98   0x00000033   add x0 x0 x0   add x0,x0,x0     0x9c   0x00000033   add x0 x0 x0   add x0,x0,x0	0x7c	0x0FFA7D13	andi x26 x20 255	andi x26,x20,0xFF	#x26= 0x200000FF
0x88   0x0AF9EE93   ori x29 x19 175   ori x29,x19,0xAF   #x29= 0xAF     0x8c   0x001A0F33   add x30 x20 x1   add x30,x20,x1   #x30= 0x20000001     0x90   0x00802F83   lw x31 8(x0)   lw x31,0x8(x0)   #x31= 0x80000000     0x94   0xF6DFF06F   jal x0 -148   jal x0,main     0x98   0x00000033   add x0 x0 x0   add x0,x0,x0     0x9c   0x00000033   add x0 x0 x0   add x0,x0,x0	0x80	0x00390DB3	add x27 x18 x3	add x27,x18,x3	#x27= 0x80000001
0x8c   0x001A0F33   add x30 x20 x1   add x30,x20,x1   #x30= 0x20000001     0x90   0x00802F83   lw x31 8(x0)   lw x31,0x8(x0)   #x31= 0x80000000     0x94   0xF6DFF06F   jal x0 -148   jal x0,main     0x98   0x00000033   add x0 x0 x0   add x0,x0,x0     0x9c   0x00000033   add x0 x0 x0   add x0,x0,x0	0x84	0x002A5E33	srl x28 x20 x2	srl x28,x20,x2	#x28= 0x10000000
0x90   0x00802F83   lw x31 8(x0)   lw x31,0x8(x0)   #x31= 0x80000000     0x94   0xF6DFF06F   jal x0 -148   jal x0,main     0x98   0x00000033   add x0 x0 x0   add x0,x0,x0     0x9c   0x00000033   add x0 x0 x0   add x0,x0,x0	0x88	0x0AF9EE93	ori x29 x19 175	ori x29,x19,0xAF	#x29= 0xAF
0x94 0xF6DFF06F jal x0 -148 jal x0,main   0x98 0x00000033 add x0 x0 x0 add x0,x0,x0   0x9c 0x00000033 add x0 x0 x0 add x0,x0,x0	0x8c	0x001A0F33	add x30 x20 x1	add x30,x20,x1	#x30= 0x20000001
0x98   0x00000033   add x0 x0 x0   add x0,x0,x0     0x9c   0x00000033   add x0 x0 x0   add x0,x0,x0	0x90	0x00802F83	lw x31 8(x0)	lw x31,0x8(x0)	#x31= 0x80000000
0x9c 0x00000033 add x0 x0 x0 add x0,x0,x0	0x94	0xF6DFF06F	jal x0 -148	jal x0,main	
	0x98	0x00000033	add x0 x0 x0	add x0,x0,x0	
0xa0 0x00000033 add x0 x0 x0 add x0,x0,x0	0x9c	0x00000033	add x0 x0 x0	add x0,x0,x0	
	0xa0	0x00000033	add x0 x0 x0	add x0,x0,x0	