Addi $5 ,$0, 1;

Addi $6, $0, 64;

Addi $2, $0, 4096;

Sll $2, $2, 16;

Addi $7, $2, 40;

Lw $3, 0($2);

Slt $4, $6, $3;

Beq $5, $4, 2;

Sub $6, $6, $3;

Sw $0, 0($2);

Addi $2, $2, 4;

Bne $7, $2, -7;

Sw $6, 0($7);