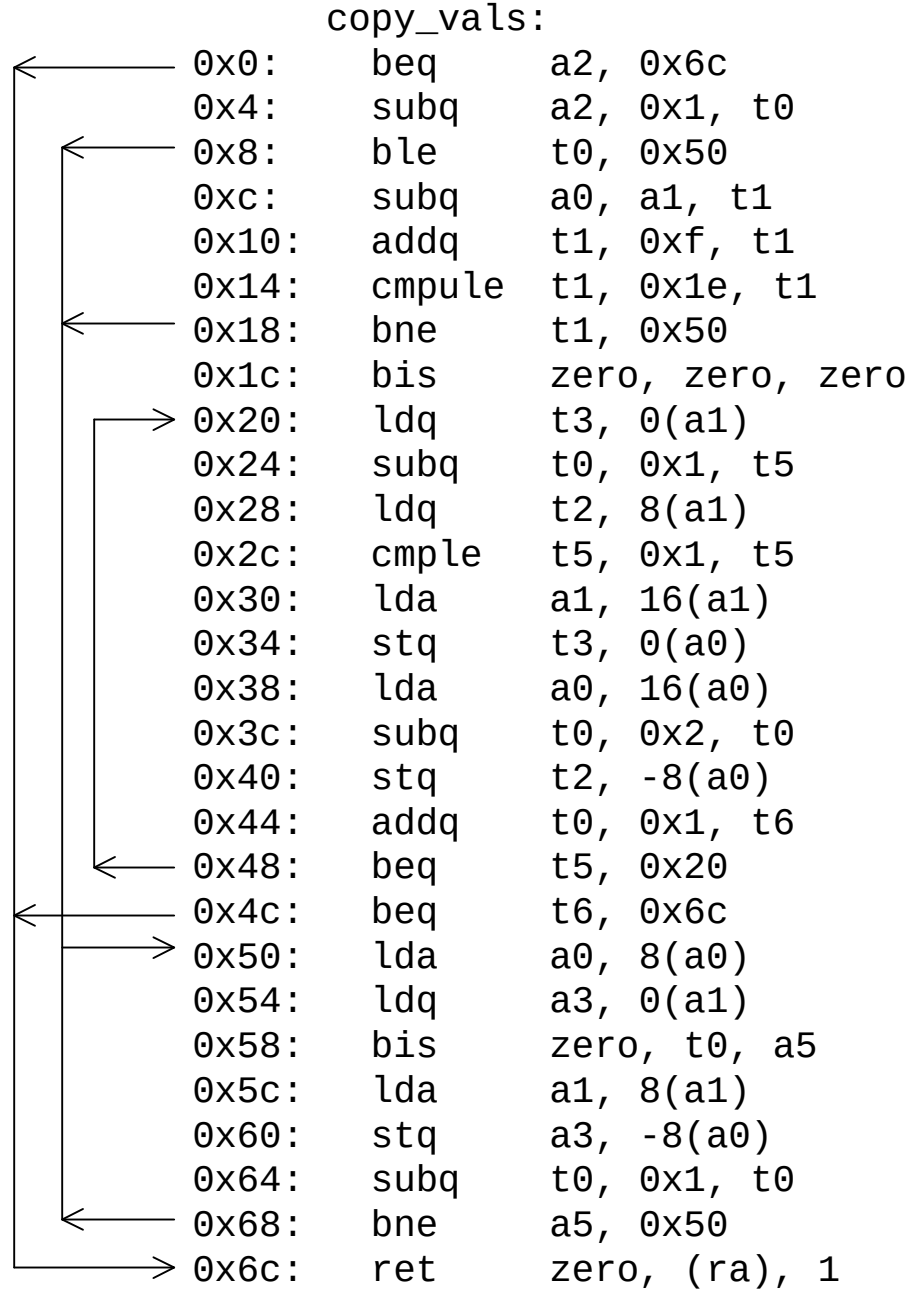
extqh - fancy byte operation

```
long int my_atoi(char *s) {
    long int val = 0;
    char c;

    while (c = *s++) {
        val = 10*val + c-'0';
    }

    return val;
}
```

```
        my_atoi:
0x0:    ldq_u   v0, 0(a0)
0x4:    lda     at, 1(a0)
0x8:    bis     zero, zero, a1
0xc:    addq    a0, 0x1, a0
0x10:   extqh   v0, at, v0
0x14:   sra     v0, 0x38, v0
0x18:   beq     v0, 0x48
0x1c:   bis     zero, zero, zero
0x20:   s4addq  a1, a1, t0
0x24:   addq    t0, t0, t0
0x28:   addq    t0, v0, a1
0x2c:   ldq_u   v0, 0(a0)
0x30:   lda     at, 1(a0)
0x34:   subq    a1, 0x30, a1
0x38:   extqh   v0, at, v0
0x3c:   addq    a0, 0x1, a0
0x40:   sra     v0, 0x38, v0
0x44:   bne     v0, 0x20
0x48:   bis     a1, a1, v0
0x4c:   ret     zero, (ra), 1
```

loop unrolling

```
void copy_vals(long int *dest,
               long int *src,
               long int n)
{
    while (n--) {
        *dest++ = *src++;
    }
}
```