

```

; .merl VERSION OF RELOCATION EXAMPLE
; MERL = MIPS executable relocatable linkable

                                     ; address      machine l.
beq $0, $0, 2 ; skip over header ; 0x00000000  0x10000002
.word endmodule                       ; 0x00000004  0x0000003c
.word endcode                          ; 0x00000008  0x0000002c

        lis $3                        ; 0x0000000c  0x00001814
        .word 0xabc                   ; 0x00000010  0x00000abc
        lis $1                        ; 0x00000014  0x00000814
reloc1: .word A                       ; 0x00000018  0x00000024
        jr $1                          ; 0x0000001c  0x00200008
        B:
        jr $31                        ; 0x00000020  0x03e00008
        A:
        beq $0, $0, B                 ; 0x00000024  0x1000fffe
reloc2: .word B                       ; 0x00000028  0x00000020
endcode:

.word 1          ; relocate          ; 0x0000002c  0x00000001
.word reloc1    ; location           ; 0x00000030  0x00000018

.word 1          ; relocate          ; 0x00000034  0x00000001
.word reloc2    ; location           ; 0x00000038  0x00000028
endmodule:

```