

When using pseudo instruction LDR reg, =[value OR label]

(1) LDR reg, = value, while reg is one of {r0 – r12 and r14}

- a. Use mov reg, #imm if possible
- b. Else add a literal and use LDR reg, [pc, #offset]

Note: When reg is sp or pc, a literal is always used (see 1b)

(2) LDR reg, = label (is an address)

Always add a literal and use LDR reg, [pc, #offset]

(3) LDR reg, = label (is a constant), while reg is one of {r0 – r12 and r14}

- a. Use mov reg, #imm if possible
- b. Else add a literal and use LDR reg, [pc, #offset]

Note: When reg is sp or pc, a literal is always used (see 3b)