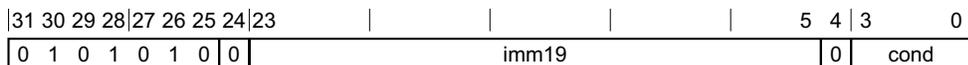


C6.2.23 B.cond

Branch conditionally to a label at a PC-relative offset, with a hint that this is not a subroutine call or return.



19-bit signed PC-relative branch offset variant

B.<cond> <label>

Decode for this encoding

bits(64) offset = `SignExtend`(imm19:'00', 64);

Assembler symbols

<cond> Is one of the standard conditions, encoded in the "cond" field in the standard way.

<label> Is the program label to be conditionally branched to. Its offset from the address of this instruction, in the range +/-1MB, is encoded as "imm19" times 4.

Operation

if `ConditionHolds`(cond) then
 `BranchTo`(PC[] + offset, `BranchType_JMP`);