## 2's Compliment

10101100 0100100 10101100 0100100

## Check for Carry

DCEV O 1

CIN & COUT = Overflow

## Overflow 59+(-19)

59 = 0111 000 19 = 001 0011 25 compliment of 19

1101100

I = Addressing Mode

I = 0 direct

I = 1 indirect

I operate Address

Contents of AC are
transformed to OR

M[AR] — DR

Transfer the word stored
in DR to Memory at

caeledness storad in AR

Addressing Modes

Specifies how to calculate the effective memory address, of an operand.

Indered addressing.
Find a memory location
based on index

Prof may throw LDAC curveball on final, instruction does nothing

Immediate Addressing

MOV AX, 45H

Moves right from

memory + acc whate

No Bus, N - registers.