

PROGRAMMING THE Z80

**DAA**                      Decimal adjust accumulator.

*Function:*                      See below.

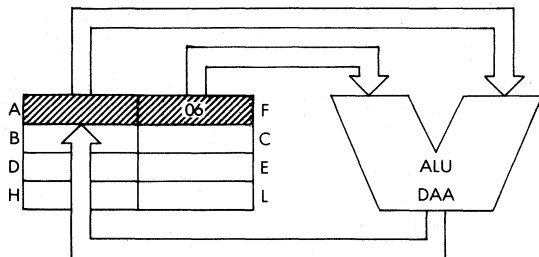
*Format:*



*Description:*                      The instruction conditionally adds “6” to the right and/or left nibble of the accumulator, based on the status register, for BCD conversion after arithmetic operations.

N	C	value of high nibble	H	value of low nibble	# added to A	C after execution
0 (ADD, ADC, INC)	0	0-9	0	0-9	00	0
	0	0-8	0	A-F	06	0
	0	0-9	1	0-3	06	0
	0	A-F	0	0-9	60	1
	0	9-F	0	A-F	66	1
	0	A-F	1	0-3	66	1
	1	0-2	0	0-9	60	1
	1	0-2	0	A-F	66	1
1 (SUB, SBC, DEC, NEG)	1	0-3	1	0-3	66	1
	0	0-9	0	0-9	00	0
	0	0-8	1	6-F	FA	0
	1	7-F	0	0-9	A0	1
	1	6-F	1	6-F	9A	1

*Data Flow:*

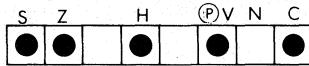


# THE Z80 INSTRUCTION SET

**Timing:** 1 M cycle; 4 T states; 2 usec @ 2 MHz

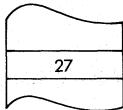
**Addressing Mode:** Implicit.

**Flags:**



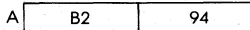
**Example:**

DAA



OBJECT  
CODE

**Before:**



94

F

**After:**



05

F