

① DAA (DECIMAL ADJUST AFTER BCD ADDITION)

This instruction is used to make sure the result of adding two packed BCD number is adjust to be a legal BCD. The result ~~must be used~~ of addition must be in the AL for DAA work correctly.

If the lower nibble in AL after addition is greater than 9 or AF was set by the addition, then the DAA instruction will add 6 to the lower nibbles in AL. If upper nibble of AL is now greater than 9, ~~the~~ or carry flag set then DAA will add 60H to AL.

→ AL 28H

DAA AL

② CMP- CMP Destination, Source.

This instruction compares byte/word in a specified source with a byte/word in specified destination. AF, OF, SF, ZF, PF and CF are updated by CMP instruction.

Test - TEST Destination, Source.

This instruction AND's the byte/word in the specified source with the byte/word in the specified destination.

Flags are updated, but operand is not changed. CF, OF will be 0's.

PS, SF and ZF will be updated. AF is undefined.

CMP AL, 000h Compare immediate number 000h with byte in AL.

TEST AL, 001h AND AL with immediate number 001h.