

DAA

lower nibble of AL > 9

$$AL = AL + 06H.$$

upper nibble of AL > 9

$$AL = AL + 60h.$$

$$CL = 29$$

$$AL = 53.$$

Add AL, CL

$$AL = AL + CL$$

$$= 29 + 53$$

$$= 7C$$

lower nibble of AL - C(12) > 9.

$$AL = AL + 06h$$

$$= 7c(12) + 6$$

8 4 2 L

$$= 1100 + 0110$$

1 1 0 0

$$= \cancel{10h} \rightarrow 0011$$

0 1 1 0

1100

100 0 0

0000

0110

100 0 0

8

2

7 C

0 6

$$= 82h.$$

0111 1100

0000 0110

1000 0010

8 2

1001 1100

0001 0110

1010 0010

$$AL = AL + CL$$

$$= 73 + 29h = 9ch.$$

lower nibble of AL is C(12) > 9

$$AL = 9ch + 06$$

$$= 1010 0010$$

1010 0010

= A2

0110 0000

AL = A2 + 60.

1000 0010

$$= 1010 0010 + 01\overset{1}{1}0 0000$$

$$= A2 \text{ w. } CF=1$$