Swap the contents of two Arrays

```
. model small
. data
a   db  10h, 20h, 3oh, 40h, 50h
b   db  11h, 22h, 33h, 44h, 55h
. code
mov  ax, @ data
mov  ds, ax
lea  si, a
lea  di, b

mov  c1, 05h
11: mov  a1, [si]
xchg  a1, [di]
mov  [si], a1
inc  si
inc  di
loop  11

mov  ah, 4ch
int  21h
end
```

Demonstratation of instruction of DAA

```
. model small
. data
a    db   63h
b    db   88h

. code
mov   ax, @ data
mov   ds, ax
mov   al, a
add   al, b
daa
mov   ah, 4ch
int   21h
end.
```

Adding two large numbers.

```
. model small
. data
num1 db ooh, 03h, 42h, 98h
num2 db 07h, 57h, 13h, 64h
res db 4 dup (?)

. code
mov   ax, @data
mov   ds, ax
mov   si, 03h
mov   c1, 04h
clc
dec1 : mov al, num1 [si]
adc   al, num2 [si]
daa
```

```
mov   res [si], a1
dec   si
loop  deci
mov   ah, 4ch
int   21h
end.
```

Subtracting of two large number

```
. model  small
. data
num1  db  00h, 03h, 42h, 98h
num2  db  07h, 57h, 13h, 64h
res   db  4 dup (?)

. code
mov   ax, @ data
mov   ds, ax
mov   si, 03h
mov   cl, 04h
clc
deci : mov a1, num1 [si]
Sbb   a1, num2[si]
das
mov   res [si], a1
dec   si
loop  deci
mov   ah, 4ch
int   21h
end.
```