include irvine32.inc

.data

string1 byte "hello word",0

array1 byte 'u','i','a','e','2','-4','-4','6'

array2 byte 'a','e','i','o','u'

array3 byte '2','-4','6'

.code

main proc

mov edx,OFFSET string1

mov ecx,10

mov esi,OFFSET array1

start:

start2:

mov al,[esi]

cmp al,byte ptr array2

je l1

cmp al,byte ptr array2+1

je l2

cmp al,byte ptr array2+2

je l3

cmp al,byte ptr array2+3

je l4

cmp al,byte ptr array2+4

je l4

cmp al,byte ptr array3

je l5

cmp al,byte ptr array3+1

je l6

cmp al,byte ptr array3+2

je l5

inc esi

LOOP start

jmp quit

l1:

rol dx,1

jmp start2

call writestring

l2:

ror edx,1

jmp start2

l3:

rcl edx,1

jmp start2

l4:

rcr edx,1

jmp start2

l5:

shr edx,1

jmp start2

l6:

shl edx,1

jmp start2

quit:

exit

main endp

end main