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الرقم الجامعي:

Understand the following code sections and insert the missing instruction or instructions in order to accomplish the required task.

1) Add the decimal numbers 1234 and 3099

```
MOV DX, 1234H
MOV BX, 3099H
MOV AL, BL
ADD AL, DL
DAA
MOV CL, AL
MOV AL, BH
ADD AL, DH
DAA
MOV CH, AL
```



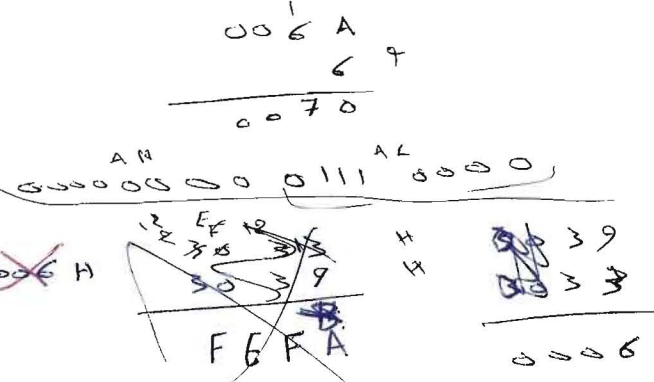
2) Multiply the two decimal numbers 5 and 7 and change the result into two-digit ASCII number

```
MOV AL, 5
MOV BL, 7
MUL BL
AAA
OR AX, 3030H
```

Find the result of executing the following code by filling the blanks:

```
MOV AX, 31H ; AX = 000301H
ADD AL, 39H ; AX = 00060A H
AAA ; AX = 000709 H
OR AX, 3030H ; AX = 300709 H

SUB AH, AH ; AH = 000709 H
MOV AL, '3' ; AL = 000303 H
SUB AL, '9' ; AL = 000303 H - 000909 H
AAS ; AX = 00020C H
OR AL, 30H ; AL = 00023C H
```



If CX contains 1101011100011001 as shown in fig then the result of the instruction RCL CX,4 is

C	CX																
	1	1	1	0	1	0	1	1	1	0	0	0	1	1	0	0	1

C	CX															
	1	0	1	1	1	0	0	0	1	1	0	1	1	1	0	

