1. 已知在以 BUF 为首址的字节存储区中存放着一个以零作结束标志的字符串 (其中不含字符'\$'),试用 9 号功能调用显示输出该字符串。请完善下列程序:

MOV AX, SEG BUF

MOV DS, AX

LEA BX, BUF

LOP: MOV AL, [BX]

OR AL, AL

JMP LOP

LOP1: MOV AH, 9

INT 21H

解答:

MOV AX, SEG BUF

MOV DS, AX

LEA BX, BUF

LOP: MOV AL, [BX]

OR AL, AL

_<u>JE_LOP1</u> _<u>INC_BX</u> JMP LOP

LOP1: MOV AH, 9

<u>LEA DX, BUF</u>

<u>MOV BYTE PTR [BX], '\$'</u>

INT 21H

2. 输入一个字符串,统计其中字符'a'的个数并存放在变量 X 中,完善下列程 序。 BUF DB 50, 51 DUP(0) X DB 0 -MOV AX, SEG BUF MOV DS, AX MOV AH, ___ INT 21H MOV BH, 0 MOV BL, BUF+1 L1: CMP ______, 'a' JNE LOP LOP: _____ JNZ L1 解答: MOV AX, SEG BUF MOV DS, AX LEA DX, BUF MOV AH, <u>10</u> INT 21H MOV BH, 0 MOV BL, BUF+1 L1: CMP <u>BYTE PTR BUF+1[BX]</u>, 'a' JNE LOP

	<u>INC X</u>	
LC	P: <u>DEC_BX</u>	
JNZ	L1	