

# Homework 3

1

```
CMP     AX, BX
JGE     END_IF
CMP     BX, CX
JGE     ELSE_
MOV     AX, 0
JMP     END_IF
```

```
ELSE_:  MOV     BX, 0
```

```
END_IF:
```

---

2

```
CMP     AL, "A"
JE      CARRIAGE
CMP     AL, "B"
JE      LINE_FEED
JMP     DOS_EXIT
```

```
CARRIAGE:
```

```
MOV     DL, 13
MOV     AH, 02H
INT     21H
JMP     ELSE_
```

```
LINE_FEED:
```

```
MOV     DL, 10
MOV     AH, 02H
INT     21H
JMP     ELSE_
```

```
DOS_EXIT:
```

```
MOV     AH, 4CH
INT     21H
```

```
ELSE_:
```