

Q1A

```
MOV AX,03002H
MOV DS,AX
```

```
MOV [3001H], 'R'
MOV [3002H], 'A'
MOV [3003H], 'O'
```

```
MOUSB
```

3002:3001

update

☒ table

☐ list

3002:3001	52	41	4F	00	00	00	00	00-00	00	00	00	00	00	00	00	RAO....
3002:3011	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	.....
3002:3021	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	.....
3002:3031	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	.....
3002:3041	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	.....
3002:3051	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	.....
3002:3061	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	.....
3002:3071	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	.....

Q1B

```
MOV AX,3002H
MOV DS,AX
```

```
MOV BX,3008H
```

```
MOV ES,BX
```

```
MOV SI,3001H
```

```
MOV DI,3000H
```

```
MOV [3001H], 'R'
```

```
MOV [3002H], 'A'
```

```
MOV [3003H], 'O'
```

```
MOUSB
```

```
MOUSW
```

3008:3000

update

☒ table

☐ list

3008:3000	52	41	4F	00	00	00	00	00-00	00	00	00	00	00	00	00	RAO....
3008:3010	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	.....
3008:3020	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	.....
3008:3030	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	.....
3008:3040	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	.....
3008:3050	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	.....
3008:3060	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	.....
3008:3070	00	00	00	00	00	00	00	00-00	00	00	00	00	00	00	00	.....

Q2

```
MOV CX,00H
MOV AX,3008H
MOV ES,AX
MOV DI,00H
MOV [000H], 'C'
MOV [001H], 'B'
MOV [002H], 'A'
MOUSB
MOUSB
MOUSB
```

```
MOV DI,0000H
MOV DX,0H
```

```
COMPARE:
```

```
MOV AL,'A'
SCASB
JE FOUND
JNE NOTFOUND
FOUND:
INC CX
MOV AX,61H
INC DX
CMP CX,03H
JE END
JNE COMPARE
```

```
NOTFOUND:
INC CX
MOV AX,00H
CMP CX,03H
JE END
JNE COMPARE
```

```
END:
HLT
```

```
original source co...
23 FOUND:
24 INC CX
25 MOV AX,61H
26 INC DX
27 CMP CX,03H
28 JE END
29 JNE COMPARE
30
31 NOTFOUND:
32 INC CX
33 MOV AX,00H
34 CMP CX,03H
35 JE END
36 JNE COMPARE
37
38 END:
39 HLT
```

emulator: noname.bin_

file math debug view external virtual

Load reload step back

registers

	H	L
AX	00	61
BX	00	00
CX	00	03
DX	00	01
CS	0100	
IP	0041	
SS	0100	
SP	FFFE	
BP	0000	
SI	0003	
DI	0003	
DS	0100	
ES	3008	

0100:0041

01041:	F4	244	f
01042:	90	144	e
01043:	90	144	e
01044:	90	144	e
01045:	90	144	e
01046:	90	144	e
01047:	90	144	e
01048:	90	144	e
01049:	90	144	e
0104A:	90	144	e
0104B:	90	144	e
0104C:	90	144	e
0104D:	90	144	e
0104E:	90	144	e
0104F:	90	144	e
01050:	90	144	e
01051:	90	144	e
01052:	90	144	e
01053:	90	144	e
01054:	90	144	e
01055:	90	144	e
01056:	F4	244	f

screen source re