

a. Trace the following code and provide the values for eax, ebx, and ecx.

Line	Source Code
1	.code
2	mov eax,1
3	mov ecx,2
4	Label1:
5	push ecx
6	mov eax,3
7	mov ecx,4
8	Label2:
9	add eax,2
10	loop Label2
11	pop ecx
12	loop Label1
13	dec ecx
14	mov ebx,ecx
15	add ebx,1
<p><i>Final values:</i>            <i>eax</i> =            <i>ebx</i> =            <i>ecx</i> =</p>	

Answer:

eax = B

ebx = 0

ecx = FFFFFFFF