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

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| **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 |
| ***Final values:                eax =               ebx =                  ecx*=** | |

Answer:

eax = B

ebx = 0

ecx = FFFFFFFF