**Solve these problems in LMC and explain your solution**

Write the following programs in LMC. Enter the assembly code instructions you used in the column titled, ‘assembly language’. Explain what the command is doing in the explanation column so it makes sense to someone reading your program.

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| **Input 3 numbers and output them in reverse order.** | |  | **Input a number, add 5 to it and output the answer. 5 is not input at the keyboard, put it directly in memory.** | |
| Assembly language | Explanation |  | Assembly language | Explanation |
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| **Input 2 numbers. Subtract the first number from the second number and output the answer.** | |  | **Input 2 numbers. Subtract the first from the second and output the answer, then subtract the second from the first and output the answer.** | |
| Assembly language | Explanation |  | Assembly language | Explanation |
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