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5 lines of code had to be modified in order for the program to run correctly. These lines were

- line 6: Change esp to ebp.

- line 8: Change the number 12 to 8 after the move command because the first argument is an int which has 4 bytes of memory so it would located 8 bytes above the base pointer in the stack.

- line 22: the command jmp needs to be jne because there needs to be a condition in which the jmp is necessary.
- line 126: switch the source and destination after move command which is ebp and esp.

- line 130: Change $0 to $4 after the add command. The original code was not moving to the next element in the array.