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**Assignment 4 – Chapter 11**

The below screenshots document the current output of the code for Assignment 4. The code is not meeting requirements. It incorrectly solves the short list and fails execution when run on the stable list. Appears to be a problem with looping through list2’s preferences and making updates after list1 has been assigned as the partner. Screenshots below show current output on the shortlist and where I think the problem currently is.

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| **Comment** | **Screenshot** |
| Successful execution of short list. This Solution does not agree with assignment’s solution, though. |  |

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| Problem appears when looping through the dropping of lesser preferences following the assignment of a spouse. Loop is ending early due to size changing during iterations. Probably need to switch this to an iterator that can tolerate removals. | Women 3 has been assigned to Man 0. The following screenshots loop through the removal of less desirable matches. It stops prematurely due to the list size being reduce during execution.  Before start of removal loop:    Following end of removal loop: |