Math 19 Section 01 29 January 2015

Quiz 1

Leslie Knope (L), Bob of Bob's Burgers (B), Chandler Bing (C), and Rory Gilmore (G) are competing for Queen/King of Netflix. The results are in:

7	2	5	4
L	C	B	G
C	В	C	В
B	L	L	C
G	G	G	L

- 1. (1 pt) Who is/are the winner(s) by plurality?
- 2. (1pt) Who is/are the winner(s) by the Runoff method?
- 3. (1pt) Who is/are the winner(s) by the Instant Runoff/Elimination method?
- 4. (3 pts) Who is/are the winner(s) by the Pairwise Comparison method? **Show work** in the space below to justify your answer, by showing the results of <u>all</u> head-to-head battles or by constructing the comparison graph.

- 5. (1 pt) Is there a majority candidate? If so, who?
- 6. (1 pt) Is there a Condorcet candidate? If so, who?

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PLEASE WRITE YOUR NAME ON THE BOTTOM OF THIS PAGE.

Name: _____