

A “Majority winner” is a restaurant with more than half of the first place votes. A “Condorcet winner” is a restaurant that is preferred to every other restaurant in a head-to-head matchup (with all other restaurants eliminated).

1. (a) Why does a majority winner always win Plurality?

(b) Is a majority winner still a majority winner after a candidate is eliminated?

(c) Why does a majority winner always win Plurality with Elimination?

(d) Why is a majority winner always a Condorcet winner?

		Amari	Blair	Charlie	Dakota	Jared	Jordan	Justice	Morgan	Cameron
2.	1st	Ovid's	Ovid's	Ovid's	Ovid's	Subway	Subway	Subway	K-Lair	K-Lair
	2nd	K-Lair	K-Lair	K-Lair	K-Lair	K-Lair	K-Lair	K-Lair	Ovid's	Ovid's
	3rd	Subway	Subway	Subway	Subway	Ovid's	Ovid's	Ovid's	Subway	Subway

(a) Write out the head-to-head matches. Who votes for which restaurant, and which restaurants win?

(b) Is there a Condorcet winner? Loser? (Who and why?)

		Amari	Blair	Charlie	Dakota	Jared	Jordan	Justice	Morgan	Cameron
2.	1st	Ovid's	Ovid's	Ovid's	Ovid's	Subway	Subway	Subway	K-Lair	K-Lair
	2nd	K-Lair	K-Lair	K-Lair	K-Lair	K-Lair	K-Lair	K-Lair	Ovid's	Ovid's
	3rd	Subway	Subway	Subway	Subway	Ovid's	Ovid's	Ovid's	Subway	Subway

(c) How many first place votes did each candidate get?

(d) Which restaurant got the most first place votes? So which one won plurality?

(e) What does that say about Condorcet versus Plurality?

(f) Which restaurant got the least first place votes?

(g) How many votes did each restaurant get after the restaurant from (c) was eliminated?
(Write out the votes.)

(f) What does that say about Condorcet versus Plurality with Elimination?