
In your opinion....Do you Agree or Disagree?

- (1) The candidate with the most 1st place votes should win.
- (2) The candidate with the most 2nd place votes should win.
- (3) Two voters that switch ballots should change the outcome of the election.
- (4) A voter who changes their vote should change the outcome of the election.
- (5) A winning candidate who gains votes should change the outcome of the election.
- (6) A losing candidate who gains votes should change the outcome of the election.
- (7) All voters changing their vote should change the outcome of the election.

(1) If these ballots

	Ballot	Ballot	Ballot	Ballot	Ballot
1st	A	A	B	A	B
2nd	B	B	A	B	A

get changed to these ballots (swapping ballots 2 & 5)

	Ballot	Ballot	Ballot	Ballot	Ballot
1st	A	B	B	A	A
2nd	B	A	A	B	B

Does the winner change?

(2) If these ballots

	Ballot	Ballot	Ballot	Ballot	Ballot
1st	A	A	B	A	B
2nd	B	B	A	B	A

get changed to these ballots (ballot 3 changes)

	Ballot	Ballot	Ballot	Ballot	Ballot
1st	A	A	A	A	B
2nd	B	B	B	B	A

Does the winner change?

(3) If these ballots

	Ballot	Ballot	Ballot	Ballot	Ballot
1st	A	A	B	A	B
2nd	B	B	A	B	A

get changed to these ballots (everyone switches their vote)

	Ballot	Ballot	Ballot	Ballot	Ballot
1st	B	B	A	B	A
2nd	A	A	B	A	B

Does the winner change?

(4) We know by May's Theorem that Majority Rule is the only 2-candidate voting system that is anonymous, neutral, and monotone. Complete the table, determining for each Rule whether or not it satisfies each of the 2-candidate fairness ideas.

Method	Anonymous	Neutral	Monotone
Majority Rule			
Minority Rule			
Dictatorship			
Imposed Rule			

**Note: Keep this worksheet. Problem 4 will be very helpful with Homework 3!