the back

Now suppose we have an election between Arya (A), Bran (B), and Jon (J).

2nd

1. Find the winner using Plurality with Elimination.

Now suppose the three voters in the third column change their votes: they pick 1st Jon, 2nd Bran, and 3rd Arya.

2. Draw the new preference schedule which reflects this change. Is this change an appropriate way to test monotonicity? Explain.

A B J J The new ballot moves Jon up,

The new ballot moves Jon up,

and keeps B and A in the

B J A A same order as before.

This is an appropriate test.

(regardless of whether winner changes.) The winner was Jon.

3. Find the winner using plurality with elimination.

No maj cand; fewest 1st place votes is B with 5:

4. Suppose instead, from the original election, that the six voters in the first column changed their votes to pick 1st Bran, 2nd Jon, and 3rd Arya. Is this change an appropriate way to test monotonicity? Explain.

No: The change does NOT move The winner (5) up. Also, it scrambles A and B (non winners). Either of these are reasons it would not WOJK.