

10 Nov 2014

Math 181

Need-to-know Definitions:

- Condorcet winner criterion (CWC)
- Borda count/Borda score
- Independence of irrelevant alternatives (IIA)
- Agenda
- Sequential pairwise voting
- Pareto condition (PC)
- Hare system
- Monotonicity
- Plurality run-off

Everybody Wins!

	Number of votes						
Rank	3	1	1	1	1	1	1
First	A	A	B	B	C	C	D
Second	D	B	C	C	B	D	C
Third	B	C	D	A	D	B	B
Fourth	C	D	A	D	A	A	A

Computer the winner of each of the following voting systems:

1. plurality
2. Borda count
3. Hare system
4. sequential pairwise voting with agenda A,B,C,D.

Homework: Read and take notes on Section 9.4.

Due Friday: Page 353–354: #28,30,31,32

For each of the three desirable conditions on pages 328–329, come up with a voting system (not discussed in class) that fails the condition.