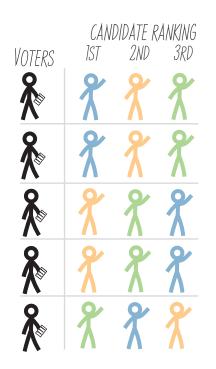
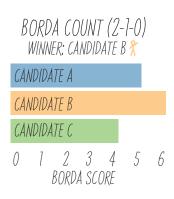
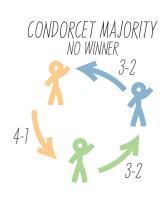
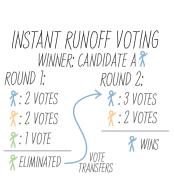
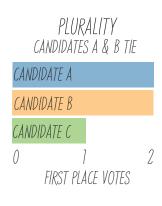
RANKED-CHOICE VOTING SYSTEM











ARROW'S IMPOSSIBILITY THEOREM:

NO RANKED-CHOICE VOTING SYSTEM CAN SATISFY ALL FAIRNESS CRITERIA SIMULTANEOUSLY



INDEPENDENCE OF IRRELEVANT ALTERNATIVES
RELATIVE RANKING OF TWO CANDIDATES CANNOT DEPEND ON
THE RANKING OF AN IRRELEVANT THIRD CANDIDATE

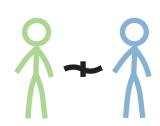


PARETO UNANIMITY

IF ALL VOTERS PREFER CANDIDATE B TO CANDIDATE A, THEN THE RESULTS SHOULD RANK B HIGHER THAN A



NO DICTATORSHIP
OUTCOME CANNOT BE DECIDED
BY A DISTINGUISHED VOTER



COMPLETENESS

EVERY PAIR MUST BE COMPARABLE- EVERY CANDIDATE SHOULD RANK STRICTLY HIGHER OR LOWER THAN ANY OTHER