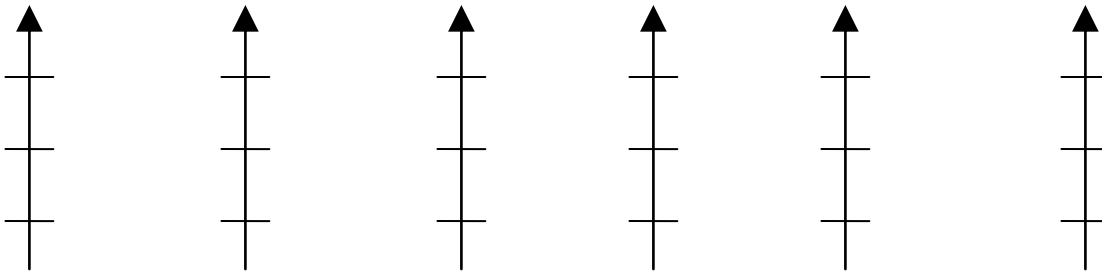


Lesson 1.2 Group-Ranking Methods & Algorithms

EQ: What is a good method for obtaining a group decision from the decisions of the individual group members?

Thinking back, where are your favorite memories; elementary, middle, or high school? Rank these.



Plurality winner – _____

Majority winner – _____

Point of Interest: What system used in the United States does not require that the winner receive a majority of the popular vote?

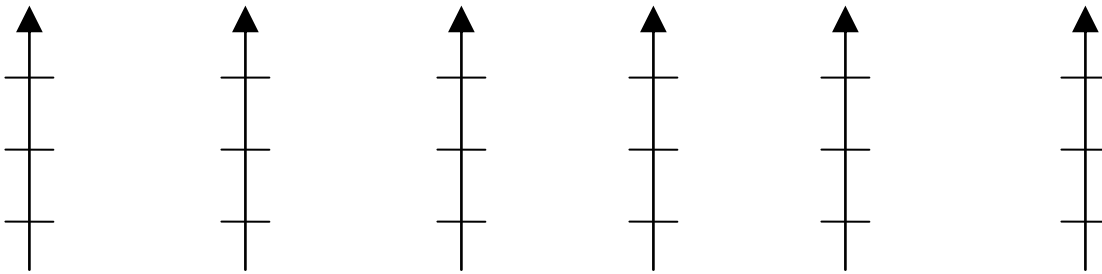
Lesson 1.2 Group-Ranking Methods & Algorithms

Group-Ranking Methods

A. The Borda Method created by _____.

Borda Count –

Example: Apply the Borda Method to the ranking of favorite memories.



Lesson 1.2 Group-Ranking Methods & Algorithms

B. The Runoff Method

Many elections in the US and other countries require a _____. If there is _____, then a _____ between the top two candidates is held.

Two major problems with this method:

- 1.
- 2.

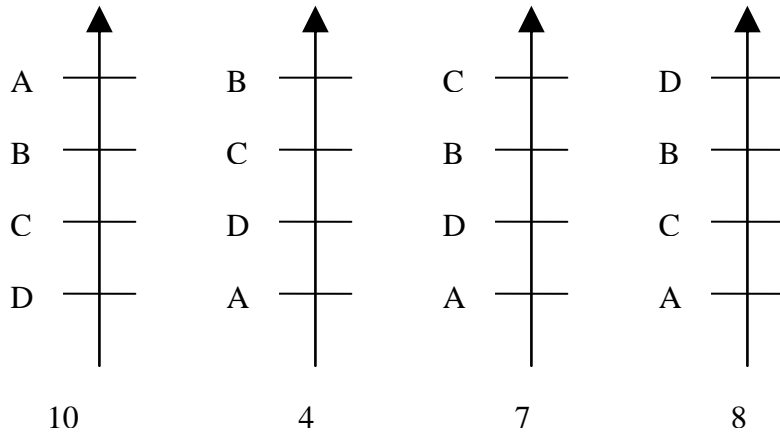
How does the Runoff Method work?

Step 1 →

Step 2 →

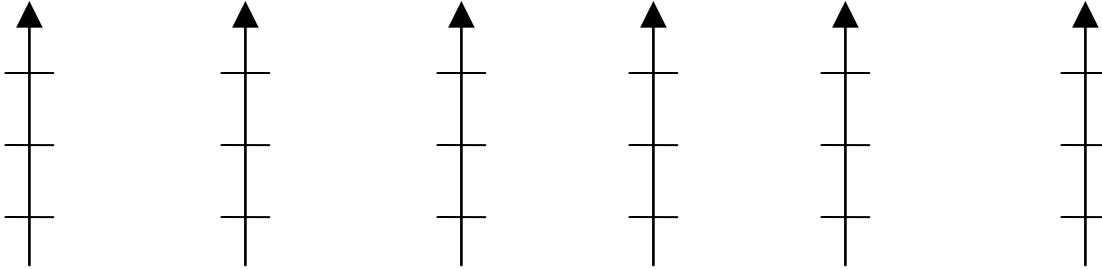
Step 3 →

Example 1: Apply the Runoff Method to decide the winner using the preference schedules below.



Lesson 1.2 Group-Ranking Methods & Algorithms

Example 2: Apply the Runoff Method to the ranking of favorite memories.



Lesson 1.2 Group-Ranking Methods & Algorithms

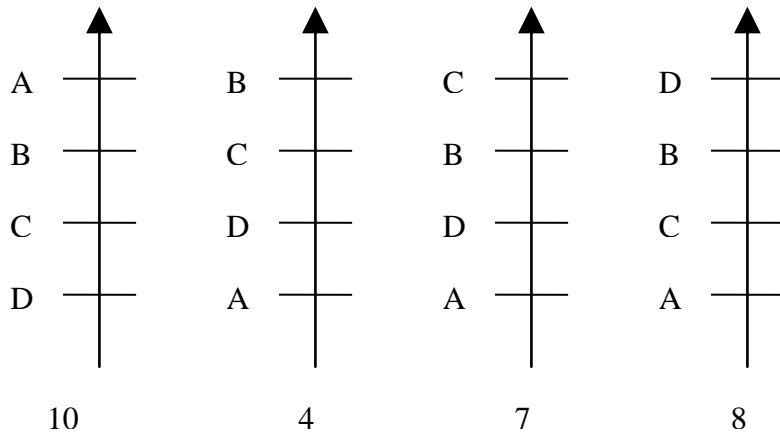
C. The Sequential Runoff Method

Some elections, such as the voting to determine _____

are conducted by a variation of the runoff method that eliminates

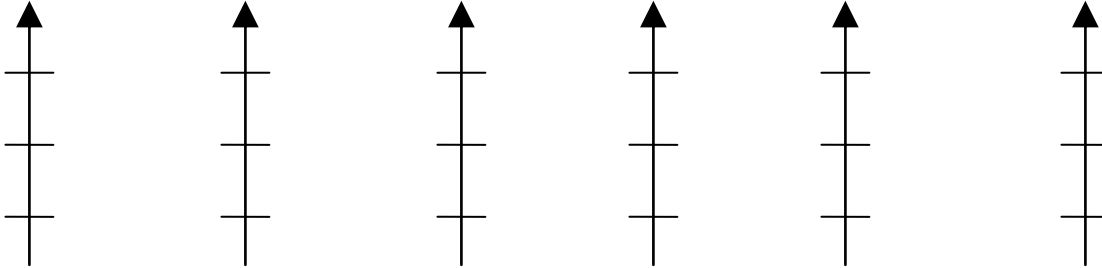
_____.

Example 3: Apply the Sequential Runoff Method to decide the winner using the preference schedules:



Lesson 1.2 Group-Ranking Methods & Algorithms

Example 4: Apply the Sequential Runoff Method to the ranking of favorite memories.



Classwork/Homework: pgs 11 – 13/ 1 – 7