BORDA VOTING METHOD

TEXT: 11.1, 11.2

LAST NAME	FIRST NAME	DATE

1 (4 points)**.** Acme University Computer Science department conducts a faculty vote in order to determine the best choice for the language used in Basic Programming. Each faculty member ranks each programming language in order of preference. The results are shown in the preference schedule below.

Language	**Ballots with Rankings**				
C	3	2	2	1	4
Guile	1	3	4	3	2
Java	2	4	1	2	3
Python	4	1	3	4	1
Number of Votes	**8**	**5**	**4**	**6**	**2**

(a) Using the plurality voting, which language is the winner of the department vote, and with how many votes?

(b) Is the plurality winner also a majority winner? Why or why not?

(c) Use the Borda count method to determine the winner. Show all work.

2 (4 points)**.** In the autumn of 1894, the Royal Society of Practical Alchemists met in Prague to elect a new Grand Archivist. Twenty-one guild members cast ranked preference ballots among three candidates: Vespera, Corvus, and Ignis.

Candidate	**Ballots with Rankings**		
Corvus	3	1	3
Ignis	1	3	2
Vespera	2	2	1
Number of Votes	**4**	**11**	**6**

(a) Using the plurality voting, which candidate is the winner of the vote, and with how many votes?

(b) Is the plurality winner also a majority winner? Why or why not?

(c) Use the Borda count method to determine the winner. Show all work.

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