

Name:

Quiz 11

Consider the following preference schedule:

4	3	4	2
A	B	C	C
B	A	B	A
C	C	A	B

$A : B$ 6 : 7

$A : C$

$B : C$ 7 : 6

1. Most of the one-to-one comparisons are given above. Find the missing comparison for $A : C$.
2. Find the winner(s) using plurality.
3. How many first place votes would a majority candidate need in this preference schedule?
4. Draw the pairwise comparison graph, including the margins.
5. Find the winner(s) using pairwise comparison (show your work).
6. Is there a Condorcet candidate? If so, who?

Name: Solutions

Quiz 11

Consider the following preference schedule:

4	3	4	2
A	B	C	C
B	A	B	A
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A : B 6 : 7
A : C
B : C 7 : 6

1. Most of the one-to-one comparisons are given above. Find the missing comparison for A : C.

A : C 7 : 6

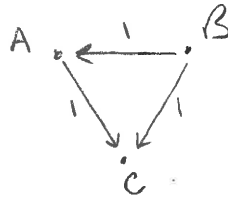
2. Find the winner(s) using plurality.

C wins

3. How many first place votes would a majority candidate need in this preference schedule?

$\frac{13}{2} = 6.5$ so 7 votes

4. Draw the pairwise comparison graph, including the margins.



5. Find the winner(s) using pairwise comparison (show your work).

A = 1
B = 2
C = 0

B wins

6. Is there a Condorcet candidate? If so, who?

Yes, B