

Name: *Solutions*

Quiz 11

Consider the following preference schedule:

	1	2	3	4
A	B	D	D	C
B	C	B	B	D
C	D	C	A	B
D	A	A	C	A

- A : B 9 : 11
- A : C 12 : 8
- A : D 9 : 11
- B : C 16 : 4
- B : D
- C : D 15 : 5

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

B : D 11 : 9

2. Find the winner(s) using plurality.

A wins

3. Find the winner(s) using runoff.

runoff A & D

D wins

4. How many first place votes would a majority candidate need in this election?

$> 20/2$, so 11

5. Draw the graph, with the margins, for this preference schedule.

