

Is there a Condorcet winner? A vs B:
B vs C:

A vs C:
B vs D:

A vs D:
C vs D:

	6	5	1
1st	A	D	B
2nd	C	C	C
3rd	D	A	D
4th	B	B	A

Use your rules to decide the winners of the following elections:

	99	1
1st	A	B
2nd	B	C
3rd	C	A

	40	35	25
1st	A	B	C
2nd	B	A	A
3rd	C	C	B

	40	35	25
1st	A	B	C
2nd	B	C	A
3rd	C	A	B

Find a candidate so that eliminating them changes the winner of the election:

	6	5	1
1st	A	D	B
2nd	C	C	C
3rd	D	A	D
4th	B	B	A

	3	2	1
1st	K	L	M
2nd	J	J	L
3rd	M	M	K
4th	L	K	J

Find a good strategy for the indicated voters.

If the true preferences are as given below, then can the voter in the fourth column ($D > B > A > C$) lie to get a better result?

2	1	1	1	1
A	A	C	D	D
B	C	B	B	B
C	D	A	A	C
D	B	D	C	A

- (a) Who wins originally?
- (b) How should the fourth column's voter report their preferences?
- (c) Who wins now?
- (d) Is the fourth column's voter happier with this result?

If the true preferences are as given below, then can the voter in the third column ($B > A > C > D$) lie to get a better result?

1	1	1	1
A	A	B	C
B	D	A	B
C	C	C	D
D	B	D	A

- (a) Who wins originally?
- (b) How should the third column's voter report their preferences?
- (c) Who wins now?
- (d) Is the third column's voter happier with this result?