1. Majority vs Plurality, Preference Schedule

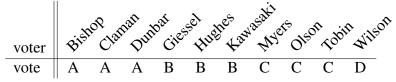
Ten Alaskans are asked to vote on the "best" of four Alaskan villages.

Voters: Bishop, Claman, Dunbar, Giessel, Hughes, Kawasaki, Myers, Olson, Tobin, Wilson Villages: Adak, Bettles, Chevak, Diomede

(a) Given the vote below. Who wins? Did they win a majority?



(b) Suppose, in a different world, they voters voted this way. Now what?



(c) One option is to **collect more information.** See the new vote tally.

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voter	,		,		,	,	,			
1st choice	А	А	А	В	В	В	С	С	С	D
2nd choice	С	С	С	С	С	С	D	D	В	С
3rd choice	В	В	В	D	D	D	В	В	А	В
1st choice 2nd choice 3rd choice 4th choice	D	D	D	А	А	А	А	А	D	А

(d) Observe that the vote tally in part (c) can be usefully summarized as follows:

# votes		
1st choice		
2nd choice		
3rd choice		
4th choice		

3. Condorcet Criteria

4. Show that Chevak (C) is the Condorcet Winner in the vote tally summarized in part 1d.

# votes	3	3	2	1	1
1st choice	Α	В	С	С	D
2nd choice	C	C	D	В	С
3rd choice	B	D	В	Α	В
4th choice	D	A	A	D	A