

## Recall the profile from last Thursday

29	$A > B > C$	15	$C > B > A$
2	$A > C > B$	26	$B > C > A$
13	$C > A > B$	1	$B > A > C$

1. Find all outcomes that are possible for this profile by using a weighted voting method.
2. For each outcome that you determined is possible, give a set of weights that determines this outcome.

In a 2001 paper in the journal *Public Choice*, Alex Tabarrok examined whether Bush or Perot could have won the 1992 Presidential election by using a different voting method.

A poll in Oct 1992 asked 3536 voters for their first and second choice for President. Of these, 2489 expressed an opinion as to a second choice.

2nd Choice	Clinton 1st (1260)	Bush 1st (958)	Perot 1st (271)
Clinton	–	524	145
Bush	519	–	126
Perot	741	434	–

1. Use this information to determine the complete profile for these 2489 voters.
2. Determine the plurality, antiplurality, and Condorcet winners.
3. What do you conclude about the possibility of Bush or Perot winning?