

Voting Systems

You are running an election with 5 candidates and 100 voters. The exact preferences of all voters are known:

31: $A > D > C > E > B$

20: $B > D > C > E > A$

19: $D > C > E > B > A$

16: $E > C > B > A > D$

14: $C > E > D > B > A$

This means that there are 31 voters who have A as their top choice, D as their second choice, then C, then E, and finally B as their least favorite candidate. And so on.

Can you come up with five voting systems, each of which sounds like a reasonable way to count votes, such that each of the five candidates is a winner?