Consider the following preference schedules for an election.



1. How many preference schedules are possible (if ties are not permitted)?

2. Who is the **plurality winner**?

What is the percentage of 1st place votes each received?

8+5+6+7 = 26

Droid

3. How many first place votes would be needed in this example for there to be a majority winner? more than 1/2 the votes

26/2 = 13

If there is a majority winner who is it? none

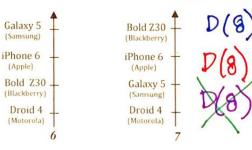
NON

4. Who is the <u>'run off' winner</u>? B/w Droid & Bold

5. Who is the 'sequential run off' winner?



6. What is each candidates Borda count?





Droid:

4; 30.8%

Who is the 'Borda Count' winner?

Demonstrate how this can be done with matrix multiplication*

7. What is each candidates Condorcet winner

: D1
14 HONG

?	⇒	Drd	iP6	G5	Z30	
	Drd	*	L	L	L	
	iP6	W	*	W	W	
	G5	W	L	*	W	
	Z30	W	L	L	*	

