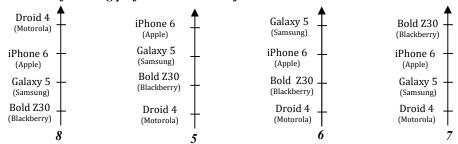
HILLGR

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?

#2)

3. How many first place votes would be needed in this example for there to be a **majority winner**?



If there is a **majority winner** who is it?

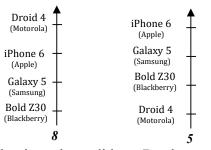
#3)

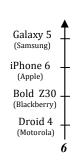
4. Who is the 'run off' winner?

#4)

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

#5)







6. What is each candidates Borda count?

Droid:
iP6:
Glxy5:
Z30:

#6)

#6)

Who is the 'Borda Count' winner?

Demonstrate how this can be done with matrix multiplication*

7. What is each candidates Condorcet winner?

⇧	Drd	iP6	G5	Z30
Drd	*			
iP6		*		
G5			*	
Z30				*

#7)		
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		- 1
		- 1

enty-two Discrete Math s		A					
Five Guys	Wendy's	+ 1	Zaxby's		Chic-fil-a	Ŧ	
Chic-fil-a	Chic-fil-a	a	Chic-fil-a		Wendy's	+	
Zaxby's 🗕	Zaxby's	s 	Wendy's +		Zaxby's	+	
Wendy's	Five Guys	s 	Five Guys –		Five Guys	+	
8		5	6			3	
In your own word	s, give a descripti	ion of the plu	rality win	<u>ner</u>			
What percented	e of 1st place vote	es does each o	of the follo	wing of	oices hav	<u> </u>	
Choice	Five Guys	Chic-fil-a	Zaxb		Wendy		
Percentage of 1 st place votes							
Who is the plur	rality winner?					2)	
a.What is the min		first place vo	otes neede	d in this	.		
	ere to be a <u>majori</u>	-				#3a)	
b.If there is a maj	ority winner wh	o is it?					1
In your own word			ın off' wiı	nner :		#3b)	
•							
Who is the 'run	off' winner?					#4)	
Who is the 'run		ion of the 'se	auential r	un off'	winner:		
		ion of the 'se	quential r	un off'	winner :		
		ion of the <u>'se</u>	quential r	un off'	winner :		
		ion of the <u>'se</u>	quential r	un off'	winner :		
In your own word	s, give a descripti		quential r	un off'	winner :		
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Who is the 'seq	s, give a description uential run off' s, give a description	winner?				5)	e page sh
Who is the 'seq	s, give a description uential run off' s, give a description	winner?				5)	e page sh
Who is the 'seq	s, give a description uential run off' s, give a description	winner?				5)	e page sh
Who is the 'seq' In your own word how this might be	s, give a description uential run off' s, give a description done using Mate	winner? ion of the 'Be erices):	orda Cour	nt' win	ner (on a	separat	
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