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WEEK L	1 askignment	

	Week 4 ashignment			
Su - 51	Himadhu Shete (2380770)			
[I.p				
	Preference profiles :			
	· 3 voters, 3 cardidates A.B.C.			
	+ voter 1: comovoter 2: 9.2 voter 3			
	A>B>C B>C>A C>A>B	1		
	Di Franc is factor ( mired smategier allement			
7-612	Pairwise comparisons ingrand and and of			
	· AUS B ' A beats B (2 votes to 1)			
	Busc & Brunico ( Nount 1 ) polo por ()			
	CUSA : (C, 11) A ( 2 11 1)			
4-[	> No Condorcet winner Cyclic preferences	)		
	: 0 = \$3 apre 5 = 3 ex			
S S	Consolated Rollon 1 Tright of Transled			
a≥biff a) bca	NO Yes No yes preference relati			
b divide		h		
c) ab vay	alid Forting No No No No No X Avithor			
d) a+b=1	o word No only is a=15 No No Neither			
e) bis desc		datan		
f) a dike		_		
· York _ t	is two seed to Exa > well into the			
6.3)	and they to keep and first production of the			
(a)	proof Idea :			
	Each time a is ranked above to by a voter, a name			
	I Borda point from the composition.			
	So Summing over all b =a: Borda (a) = & Naib			

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Borda Score Calculator:		
e Points from 1strow 2nd (2) 3rd (17) (4thu) (5th (8)		
2×23=46 1×2=2 0×17=0 1×10=10 1×8=8 66		
1×23 = 23 2×2=4 2×17=34 0×10=0 1×8=8 69		
0x23 = 0 0x 1 = 0 1x17 = 17 2x10 = 20 2x8 = 16 53		
Borda winner = B (store 69)		
Utolator of Arrow's Aprions:		
IIA (Independence of Isrelevant Alternature) is violated.		
Because bord a Score depend on foll rankings, addity branoung		
a third condidate can affect the ranking between two otherse		
<u> </u>		