Name: Sumit Kumar Yadar Page No. Roll No. :- 18CS 30042 Date 861n:domains !-D1: Style, stain, Onset, Apple, Store, Stone, Entry, After, Other, other, D2: Style, Stain, Onset, Apple, Store, Stone, Entry, After, Other, other D3: Exit, Rare, Dart, Nerd, Stay, Star, Ante DT: Exit, Rare, Dart, Nerd, Stay, Star, Arte DS: Exit, Rane, Dart, Nerd, Stay, Stan, Ante D6: Are, End, Art, Add, Rod D7: Are, End, Art, Add, Rod D8: Exit, Rare, Part, Nerd, Stay, Star, Ante Edges (for compaints): D, &D2, 19 & D3, D2 & D4, D3 & D4, D2208, D84 D6, D6205, D5204, DS 4 D7, D2 & D7., D5& D8, D3& D7 D12 D3

	Page No. Date
(b)	a allei a consissency
	On applying are consistency,
	DI: Style stain Druet, Apple, store, stone,
	De: Style, stain, Onset, Apple, store, stone,
	try, After, other, other
	D3: Exit, Rane, Dant, Nerd, Stay, Stan, Ante
	DS: Exit, Rane, part, Nend, stay, Stan, Ante
	DG: Are, Ext, Art, Add, Rod
	D8: Exit, Rane, Dont, Nexd, Stay, Stah, Angle
	only possible DS: Ante
	domains only possible who are not crossed in
	and the arc consissency.
S-A	Remaining the same of the same
	D1: Stain, Store, stone.
	D2: onset, After, ofter
	D3: Raie, Dant, Nord
	D4: Star
	DS: Ante
	DG: AC, END, ANT, Add
-	Da; Are, End, Art, Add, Rod
	D8: Exit, Dart
-	

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		Date	
CC	DI: Stain, store, storle	and playing in	119
	D2: After, otter	- moderna	
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	and the second	samon you	
	: Goluti ons !-	abolas A	
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		ed at a surrey a	
= H)	are only have to ensure that 6 will be 1st letter of 8	t 2nd letter	3
47	c -11 c 1st letter of 8	1. silver some	
	6 mm be	The state of the s	
AN ASTA	D6 odd ads	or suncate Hi	
	D6: odd, ads		

Page No. Soln: 2:- Deduction system being sound & complete; An inference rule of this Kind is said to be unround. A deduction system that contains such a rule is unsound. Now, an inference sule is sound if the conclusions one can infer from any set of well formed formula using the rule are logical consequence of the set of well formed formula. A deduction system is sound if it contains only sound inference rules Completeners means that the algo can take all possible inputs and doesn't miss any. if the deduction system does n't give a result for some particular input, it isn't complete. Resolution reputation is a sound also because

It always gives a correct ans. It can prove false if it resolves to a contradiction determine whether the statement true or falx.

It is also complete because there is no possible input for which resolution regulation

cannot give an output. It will always oftun a value and hence

it is complete.

So[": 3:- (a) predictes: p(x,y): x played for team y
c(x,y): x in captain A team y
F(x,y): x & y are freed D(x,y): x dwliked y

B(x,y): x betrayed y. (b) F1: P ( pritam, bigfeam) F2: C(mohan, big feam) F3: +x[P(x, bigfeam) > F(x, mohan)V D(x, mohan)] F4; Xx Xy [ f(x,y) -> 7 B(x,y) 1 7 B(y,x)] F5: 4x+4y [B(x,y) -> 7F(x,y)7 F6: B( pritam, mohan) G: Jx Jt D(pritam, x) NC(x, t) Ap(pritam, t) (C) F1: P( Pritam, Bigfeam): C1 F2; ((mo han, bigfeam); C2 F3: VX [ 7P(x, bigteam) VF(x, mohan) V D(x, mohan] > TP(x, higheam) VF (x, mohan) VD(x, mohan) F4: \*xxy [7F(x,y) ~ (7B(x,y) A7B(y,x)] > TF(x, y) V 7 B(x, y) ~ (B(y, x)))]: (4

Page No. Date F5: 7B(x,y) V 7F(x,y) : (5 F6: B(pritam, monan): (6. 79: 7 [ ]x ]t D(pritam, x) 10(2, t) AP( pritorm, +) ) > xxxt (70 (pritam, x) V7 ((x,t) V7P(pritam) 70 (Pritam, x) V 7 C(x, t) V 7 P(pritam, t)

Contact old Contact