Constraint Satisfaction Homework

Statement	House		1	2	3		4		5
There are five houses.	House Color								
	Nationality								
	Pet								
	Drink								
	Sport								
	·								
The American lives in the first house.	House		1	2	3		4		5
Tea is drunk in the third house.	House Color								
	Nationality	American							
	Pet								
	Drink			Tea					
	Sport								
The American lives next to the White house	House		1	2	3		4		5
THE AMERICAN INVESTIGATE TO THE AVAILABLE HOUSE	House Color		White						
	Nationality								
	Pet								
	Drink			Tea					
	Sport								
The green house is immediately to the right of the yellow house.	House		1	2	3		4		5
The green house is immediately to the highest the yearsh house.	House Color		White	Yellow		Green	•		Ť
	Nationality	American		10.1011		0.00			_
	Pet								
	Drink			Tea					
	Sport								
	- Cpc.t								
Beer is drunk in the green house	House		1	2	3		4		5
· · · · · · · · · · · · · · · · ·	House Color		White	Yellow		Green			Ť
	Nationality								_
	Pet	7.111.011.0011							
	Drink			Tea		Beer			_
	Sport								_
	- Cpc.t								
The Indian lives in the blue house	House		1	2	3		4		5
The maturities in the blue house	House Color		White	Yellow		Green	·	Blue	Ĭ
	Nationality							Indian	
	Pet	7.1110110011						ara	
	Drink			Tea		Beer			_
	Sport								_
	- Cpc.t								_
Jogging is the preferred sport in the red house	House		1	2	3		4		5
	House Color		White	Yellow		Green		Blue	Ť
	Nationality	American		. 511044		3.0011		Indian	_
	Pet	· ····c··icaii							
	Drink			Tea		Beer			
	Sport	Jogging							_
	эрогс	2001116							_
The jogger lives next to the owner of a dog.	House		1	2	3		4		5
The Jogger lives next to the owner or a dog.	House Color		White	Yellow		Green	_	Blue	_
	Nationality	American	vviiite	TOTION		Siccii		Indian	
	Pet	, uncricali	Dog					murum	_
	Drink		DOE	Tea		Beer			_
	Sport	Jogging		100		DCCI			
	Sport	10881118							

Oleg Perchyk CS355 – Constraint Satisfaction

The Mexican drinks Horcahta	House	1		2 3	3 4	5
	House Color	Red	White	Yellow	Green	Blue
	Nationality	American	Mexican			Indian
	Pet		Dog			
	Drink		Horchata	Tea	Beer	
	Sport	Jogging				
The Bulletine of the court				2		
The Polo player drinks milk.	House	1			3 4	
	House Color		White	Yellow	Green	Blue
	Nationality Pet	American	Mexican			Indian
	Drink		Dog Horchata	Tea	Beer	Milk
	Sport	Jogging	Tiorchata	1 Ca	Бееі	Polo Player
	ope.t	30888				. o.o . layer
The German likes soccer.	House	1		2 3	3 4	5
	House Color	Red	White	Yellow	Green	Blue
	Nationality	American	Mexican		German	Indian
	Pet		Dog			
	Drink		Horchata	Tea	Beer	Milk
	Sport	Jogging			Soccer	Polo Player
The Delicteric course blance of	11	-		2	, .	_
The Pakistani owns the parrot.	House	Dod 1		2 Yellow	3 4	_
	House Color		White	Pakistani	Green German	Blue
	Nationality Pet	American	Mexican Dog	Parrot	German	Indian
	Drink		Horchata	Tea	Beer	Milk
	Sport	Jogging	Tiorchata	Tea	Soccer	Polo Player
	эрыс	3088118			Joccei	1 olo i layer
The cricket player owns a monkey .	House	1		2 3	3 4	5
No constraint possible => backtrack	House Color	Red	White	Yellow	Green	Blue
	Nationality	American	Mexican	Pakistani	German	Indian
	Pet		Dog	Parrot		
	Drink		Horchata	Tea	Beer	Milk
	Sport	Jogging			Soccer	Polo Player
The arrange to the control of the state of of the stat		1		2		
The green house is immediately to the right of the yellow house.	House Color	1	White	2 3	Yellow	Green 5
	Nationality	American	wille		renow	Green
	Pet	American				
	Drink			Tea		
	Sport			icu		
The Indian lives in the blue house	House	1		2 3	3 4	5
	House Color		White	Blue	Yellow	Green
	Nationality	American		Indian		
	Pet					
	Drink			Tea		
	Sport					
				-		
Jogging is the preferred sport in the red house	House	1			3 4	_
	House Color		White	Blue	Yellow	Green
	Nationality	American		Indian		
	Pet Drink			Tea		
	Sport	Jogging		1 Ca		
	- por c	- ~ bb !! 'b				
The jogger lives next to the owner of a dog.	House	1		2 3	3 4	5
5	House Color		White	Blue	Yellow	Green
	Nationality	American		Indian		
	Pet		Dog			
	Drink			Tea		
	Sport	Jogging				

Oleg Perchyk CS355 – Constraint Satisfaction

The cricket player owns a monkey	House	1	2		3 4		5
	House Color	Red	White	Blue	Yellow	Green	
	Nationality	American		Indian			
	Pet		Dog	Monkey			
	Drink			Tea			
	Sport	Jogging		Cricket			
The person with a racoon lives next to the swimmer.	House	1	2		3 4		5
	House Color	Red	White	Blue	Yellow	Green	
	Nationality	American		Indian			
	Pet	Racoon	Dog	Monkey			
	Drink			Tea			
	Sport	Jogging	Swimmer	Cricket			
The Mexican drinks Horcahta.	House	1	2		3 4		5
	House Color	Red	White	Blue	Yellow	Green	
	Nationality	American	Mexican	Indian			
	Pet	Racoon	Dog	Monkey			
	Drink		Horchata	Tea			
	Sport	Jogging	Swimmer	Cricket			
The Pakistani owns the parrot.	House	1	2		3 4		5
·	House Color	Red	White	Blue	Yellow	Green	
	Nationality	American	Mexican	Indian	Pakistani		
	Pet	Racoon	Dog	Monkey	Parrot		
	Drink		Horchata	Tea			
The German likes soccer.	House	1	2		3 4		5
Beer is drunk in the green house	House Color	Red	White	Blue	Yellow	Green	
	Nationality	American	Mexican	Indian	Pakistani	German	
	Pet	Racoon	Dog	Monkey	Parrot		
	Drink		Horchata	Tea		Beer	
	Sport	Jogging	Swimmer	Cricket		Soccer	
		55 5					
The Polo player drinks milk	House	1	2		3 4		5
	House Color	Red	White	Blue	Yellow	Green	
	Nationality	American	Mexican	Indian	Pakistani	German	_
	Pet	Racoon	Dog	Monkey	Parrot		
	Drink		Horchata	Tea	Polo	Beer	
	Sport	Jogging	Swimmer	Cricket	Milk	Soccer	_
		300					
Now, who drinks water? Who owns the fish?	House	1	2		3 4		5
Now, who drinks water: who owns the fish:	House Color		White	Blue	Yellow	Green	_
	Nationality	American	Mexican	Indian	Pakistani	German	_
	Pet	Racoon	Dog	Monkey	Parrot	Fish	
	Drink	Water	Horchata	Tea	Milk	Beer	
	Sport	Jogging	Swimmer	Cricket	Polo	Soccer	-