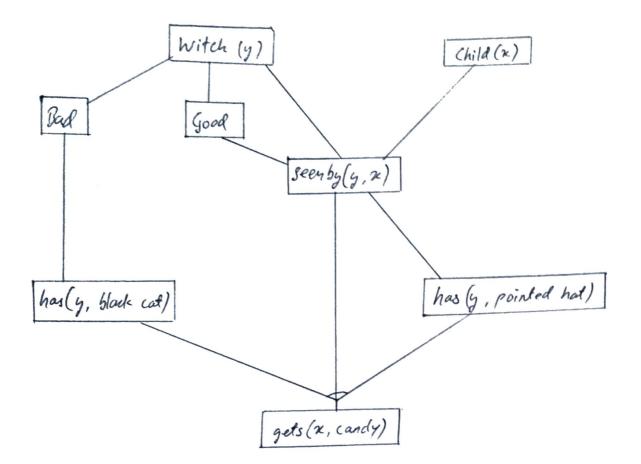
Page No.: K.G.C.E. Karjat - Raigad Date: Assignment 2

NAME: Ajay Kumas Prasad CLOSS: B.E. IT SUBJECT: 15 Lab 515N1 MARKS DOP DOC

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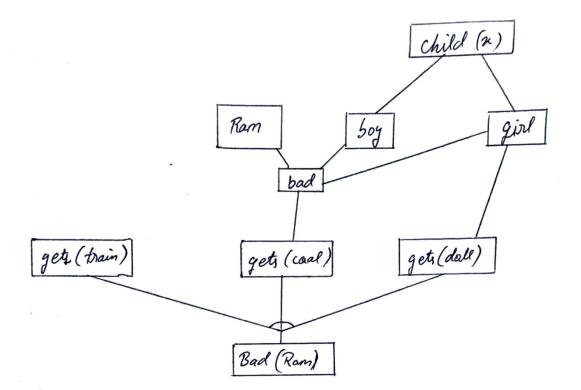
ranjar		Date:
KGCEKGCEKGCEK	KGCEK	GCEKGCEKGCEKGCEKGCEKGCEKGCEKGCEKGCEKGCEK
	2.1	Some the following with forward chaining or
1		balle of the first from the
		backward chaining or resolution (any one). Vie
		redicate logic as the language of knowledge
		representation. Clearly specify the facts and inference
		gules used.
		The Mary
		Example 1:
	1.	Every child sees some witch. No witch has both a black
		cat and a pointed hat.
	7	Every weitch is good or bad.
	3	Svery Child who sees any good witch gots candy
	4.	Ewery witch that is bad has a black cat.
i	5	Every witch that is seen by any child has a pointed hat.
		Porone: Every child get candy.
	0.	1 sione . Living and in jet strong.
		Interence rules -
	1.	- Ty has (witch(y), black cat) ~ has (witch(y), pointed hat)
	2-	Vy witch(y) -> good ~ bad
	2	to confiction italians a) = add abild (2) cond)
		∀x, y sees (child(u), mitchly) -> good) -> gets (child(x), candy)
		Vy has ( (witch (y) -> bad), black (at)
	5.	ty x seen by (witch (y), child(x)) ⇒ has (witch(y), pointed hat)
-		



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	Every boy or girl is a child
	Every child get a doll or a Grain or a lump of coal
	Svery child who is bad gets any lump of coal
	No child gets a train
	- Ram gets lump of coal
	Prove = Ram is bad.
Ary	
	Inference rules
	$\forall x \in \text{child}(x) \rightarrow \text{boy } \vee \text{child}(x) \rightarrow \text{girl}$
	- Vx gets (child(x), dall) v gets (child(x), train) v gets (child(x), coal)
2	The gets (on a (2), and ) & year (or (acr), breat)
2	- Vor gets ( (child(x) -> bad), coat)
3	- Vx gets ( (child(x) -> boy), dall)
4	. Yx gets ((child(x) -> bad), coal)
5	- Yx gets (child (x), train)
6	gets (Ram, coal)



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	9.2	Defferentiale	between STRIPS and	ADL.
	Any:	Paraneter	STRIPS	ADL
		Full forms	STayford Research Institute Broblem Solver	Language
	2.	Literals allowed in states	Only positive Sxample - Intelligent A Beautiful	Portive os well as negotine example. ~ boring ~ ugly
	3.	Assumption for Unmentioned	Closed world arsumption Unmertioned literals are	Open world assumption, unmentioned literals are
		Literals	Jake	unknower.
	4	Equality	No support	Supported . Squality Predicate (x= x) is built
	5	Турея	No support	have types -> (: (ar
	6.	Effects	Effects are conjunctions	Conditional effect allowed when P:E
	<b>a</b> ·	Effect PA~g.	Add P and Delete of	Add P 1 ~g
		mears:		Ddete ~Png

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	8.	1.10	( )	Allow conjunctions
	10	Goals	Goals are conjunctions	a Ni stione:
	+			and Disjunctions:
				~ poar 1 (Famous V smart)
	+			1.11
	15	Goals	Only ground literals	guantified variables
			12	
	+			1 to and accomples
	10.	Scheme	Action name parameter list precondition effect	Action name rapameter
		includes	list precondition effect	list (optional) groups of
			)	list (optional) groups of clauses: laseled:
	1			preconditional, add,
	-			meconius ona, care,
				delete, update (optional)
	-		_	Sutable (This
	11.	Modelling	Not suitable	Owasie ( Mag
		action in real		inadequary of STRIPS
	1	11 1		led the development of
	+	world application		
				ADL
	+			
	<del> </del>			
<u> </u>	$\parallel - \parallel$			
A P V P				