P. Karthik. G. Kudva 190913023 MTech CSE II sem ASSW - Assignment 3

) Synthesized Altributes

- i) The porse tree mode value is determined by the attribute value at shild modes
- ii) Production must have a mon-terminal at its head
- iii) Used by both s-attributed SDT & L-attributed SDT

Inherited Attributes

- i) The parse true made value is determined by The attribute value at parent or siblings made.
- i) Production must have non-terminal as a symbol in its body
- ii) Only used by L-attributed SDT

1) p1 = deaf (id, entry - a)

2) P2 = deaf (id, entry-a) = P1

3) P3 = Node (+, P1, P2)

4) P4 = Node (+, p3, p1)

5) p5 = Node (+, p4, p1)

6) p6 = Node (+, p4, p5)

7) p7 = Node (+, p2, p6)

-03							
a[i]	16	b	*0	10%	b	# C	

Qua	Quadrufiler			
1	ph	Ang I	pra 2	nesult
0	*	b	C	tl
1	-	tl	tl	ta
2	[]=	a	1	t3
3	=	ta		t3

Triplet	L		, ,
	of	arg '	arg 2
(0)	*	Ь	C
(1)	-	(0)	(0)
(2)	=[]	a	1
(3)	=	(2)	(1)

Indirect Triples				
. 1	ph 1	aregi	ary 1	
(0)	*	Ь	C	-
(1)	-	(0)	(0)	in
(2)	=[]	a		F A
(3)	11	(2)	(1)	

	instruction
35	(0)
36	(1)
37	(2)
38	(3)

$$\frac{x = b * c}{LD R_1, b}$$

$$LD R_2, c$$

$$muL R_1, R_1, R_2$$

$$ST x, R_1$$

$$y=a+x$$
 LD R_3 , Q
 LD R_4 , X
 ADD R_3 , R_3 , R_4
 ST Y , R_3

Distribution Transparency is the property of distributed databases by virtue of which the internal details of the distribution are hidden from the users, thus presenting itself to users as if it were one single computer system.

There are multiple types of transparency. Examples for each are as follow

Examples

i) Access Transparency: A distributed system may have computer systems

That run different OS, each having their own

file-marning conventions

2) Location Transparency: Use of Logical mames To resources.

http://www.prenhall.com/index.html

3) Nigration Transparency: resources can be moved without effecting how Those resources can be accursed.

4) Relocation Transparency: resources can be relocated while being accessed.

Eg: mobile users continue to use wireless beptops

while moving from place to place.

5) Replication Transparency: hide The fact that multiple expiles of resource exists

6) Concurrency transformery: 2 independent users may each hove stored their files on the same file sorver or may be accessing some tables in a shared DB

7) Failure transparency: Users don't notice a resource fails to work properly, & that the system recovers from that failure subsequently.