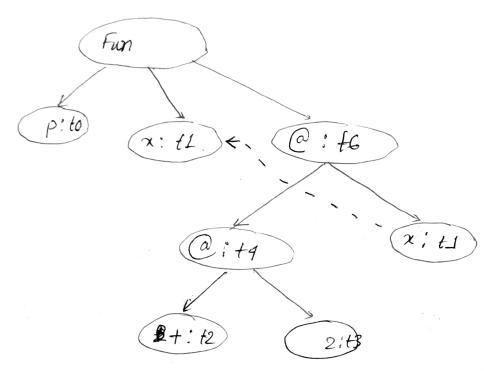
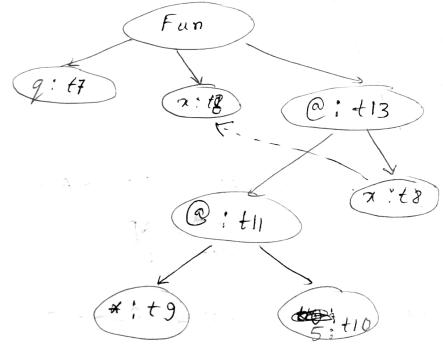
In Class Assignment 2 190510060 SUNANDA MANDAL

bx = 2 + x



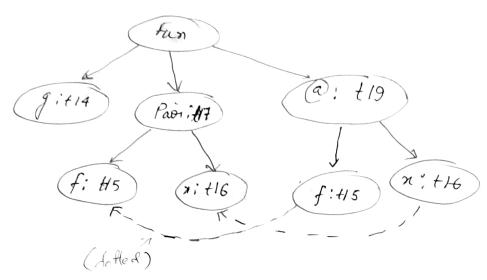
9 x = 5 * x



190510060

Sunanda Mandel

$$g(f, x) = f x$$



· Constraints

and
$$\neq is$$
 " $N \rightarrow N \rightarrow N$

$$t3 = N$$

$$t2 = N \rightarrow N \rightarrow N$$

$$t2 = t3 \rightarrow t4$$

$$\Rightarrow 3 \rightarrow t4 = N \rightarrow (N \rightarrow N)$$

$$\therefore t4 = N \rightarrow N$$

also,
$$t0 = t1 \rightarrow t6$$

 $t0 = N \rightarrow N$

t 9 = t1 → t6

: +1 = N

t6 = N

3 +1 => +6 = N -> N

$$M \rightarrow M$$

$$\frac{f_{000}}{f_{000}} = \frac{1}{4}$$

$$\frac{115}{f_{000}} = \frac{1}{4}$$

$$\frac{117}{f_{000}} = \frac{1}{4}$$

$$\frac{11$$

For
$$E = g(p, g(q, 3))$$

3 is of type N9"" $N \rightarrow N$ $\Rightarrow 93$ is of type N

$$\frac{g(9,3)}{2} = 23$$

: g is of type: (Type:2, type:3) \rightarrow (type 93) = $(N \rightarrow N, N) \rightarrow N$

P is of type: N -> N g(q,3) is of type: N

$$P g(q,3)$$
 is of type: N

 $\frac{g(P, g(q, 3))}{g(p, 3)} = Pg(q, 3)$ g(p, g(q, 3)) = Pg(q, 3) $g(p, g(q, 3)) \rightarrow fgpe(pg(q, 3))$

$$= (N \rightarrow N, N) \rightarrow N$$

ing(p, g(q, s)) is of type N Hence, E is of type N