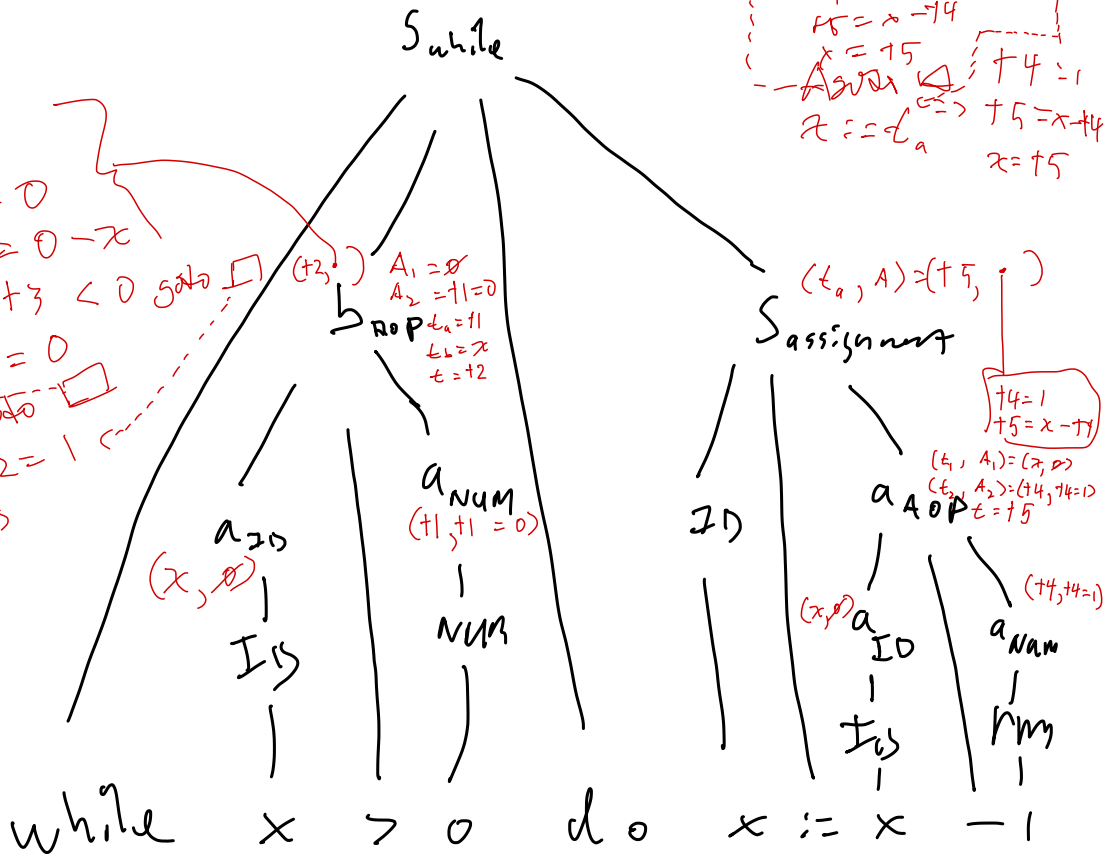


$\rightarrow B$
 if $t_3 = 0$ goto \square
 S
 goto \square

$t_1 = 0$
 $t_3 = 0 - x$
 if $t_3 < 0$ goto \square
 $t_2 = 0$
 goto \square
 $t_2 = 1$

\rightarrow if $t_2 = 0$ goto \square
 $t_4 = 1$
 $t_5 = x - t_4$
 $x = t_5$
 $t_4 = 1$
 $t_5 = x - t_4$
 $x = t_5$

A_1
 A_2
 $t_1 = 0$
 $t_3 = 0 - x$
 if $t_3 < 0$ goto \square
 $t_2 = 0$
 goto \square
 $t_2 = 1$



$A_1 \rightarrow \emptyset$
 $A_2 \rightarrow t1 := 0$
 $t_1 \rightarrow x$
 $t_2 \rightarrow t1$ t_a t_b v_{true} v_{false}
 $GenRel(t1, x, 1, 0)$

\exists
 if goto $t_b = 0$ Pseud
 S
 goto Pseud

$t1 := 0$
 $t3 := t1 - x$
 if $t3 < 0$ goto \square
 $t2 := 0$
 goto \square
 $t2 := 1$

Pseud:

A
 $x := t$
 $t4 := 1$
 $t5 := x - t4$
 $x := t5$ A_1
 A_2
 $t = t_a \wedge t_b$

$t4 := 1$
 $t5 := x - t4$
 $(t5, b)$
 (x, \emptyset) $I \square$ op NuU $(t4, t4 := 1)$

