bren - generate an enfinite list of i's Pouble - multiply every dement of an enfinite list by 2.

Xs = generate an infinite list of 1',

Ys = multiply a each element of xs by 2.

Case I = Xs -> Ys Xs will have ∞ I's

45 will multiply them with 2

It will not terminate

Case I 4s = 3 Xs

if mo element present in list

ark for element from Xs.

if element present go ahead and execute

At will not terminate

since both the orecution orders will not terminate, we can say that the program or declaratively concurrent.

170722

SAS

くそ〉

SAS

1) Semantie Stack

Ф local firend, < 0>

Semantie Stack

F= proc -- end, F > < +>

local X -- end, $f \rightarrow \langle f \rangle$

local X - end, $f \rightarrow \langle f \rangle$

Semantic Stack

<f>, proz. end, f

(パ)

(1), proc - - end, F free variable

 $X = \{f \} \} , f \rightarrow \langle f \rangle, \times \rightarrow \langle a \rangle$

3.) Semantie Stack

2)

M.)

SAS'

5) The statement on top of stack ie. X = SF 37 min be executed SAS will remain same ST SAS end, $f \rightarrow \langle f \rangle \times \rightarrow \langle n \rangle$ if will evaluate to false, ST 6) SAS 3*5f 2 }, f → <+> MASSELLAMANA AND 7) again if condition will be eneroka and it will evaluate to false. SAS 3" 2" SF 13, F -><+> X -> (a) 8) again if condition will evaluate to fabre ST 3*2*1" (f o), f + <f> x -> < a>

o) finally the condition will execute to

true

and we get
ST

SAS

(-1), --
X

X -> < a>

(a)