## Limitation-I-Flowsto-Overapproxi

Friday, May 20, 2022

inthe CFG Analysis: in 3 = y-y

Somantic depardonny Deproj, yi, c) is traditionally

over-approximated systactically by VAR (AE) and VAR (b).

we can improve by normalize the expression syntactically.

VAR (Q1-Q2) = { 4 | 4 E VAR (Q1) () VAR (Q2) / NF (Q1) \$ NF (Q3) \$ VAR(Bil=as) = { y | y & VAR(a1) U VAR(a2) / NF(aa) + NF(as) }

x = 1 $i \neq x = x$ 

then y = 1

else y = 2.

or X = 1:

Hen Y = 1 $\Theta$ SR y=2

3. also ever-approximated syntactically by conditional commands:

then y = 1

else y=1.