	HichArling		7	and the second se	and the second sec
Time	FLAT CBD		~74x	DENOTA-1'ONAL "WHAT"	17ICSOPEKA TISNAL "HOU"
} Now?	ALGEBRAIC (ALG-(16D)	-> +	No Loops Li74 Loops	د ب	<i>د</i>
N	Discretf-tine (DT-(6D)		-10 ->		
TR.	CONTINUOUS -TIME ((T-(BD)				
		۲ <u>۱</u>			

Dischere - Time CBD (DT-CBD)

-1 9 -2 'j ų

:= [['y'] = - ['x'] m~y(i) = ~q\x(i), ∀i ∈ ℕ_{\$} ('x' 'y" more , may & Ny -> CR J' ic INp -: OR XUR > TR 2h) MVX WVX = 1 (+ > 10.3 , 2 + 5.5 , 2 + 3.33 , ---- } $\begin{bmatrix} (1, 10.3), (1, 3.5), (2, 3.35), \dots \end{bmatrix}$ $\frac{y''}{y''} = \begin{cases} x(i) = 2 \\ y(i) = -x(i) \end{cases} \quad \forall i \in (N_{\beta})$ 200800... 1 3 4 31 2 +



```
i = 0
operational semantics
                                            if (not end condition(i, ...)):
                                              depGraph = buildDepGraph(CBD)
i = 0
                                              schedule = loopDetectAndTopSort(depGraph)
while (not end condition(i, ...)):
                                             for gblock in schedule:
                                               gblock.compute()
  depGraph = buildDepGraph(CBD)
                                           else:
  schedule = loopDetectAndTopSort(depGraph) exit()
  for gblock in schedule:
                                           i = 1
    gblock.compute()
                                           while (not end condition(i, ...)):
  i++
                                              depGraph = buildDepGraph(CBD)
                                              schedule = loopDetectAndTopSort(depGraph)
                                              for gblock in schedule:
                                               gblock.compute()
                                             i++
```





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Vie N

schedule = [one, IC, y, x]

schedule = [y, one, x, IC]

DYNAMIC STRUCTURE





