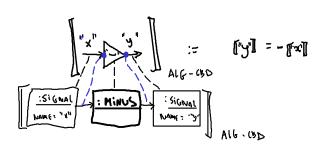
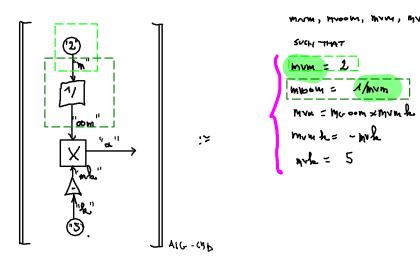
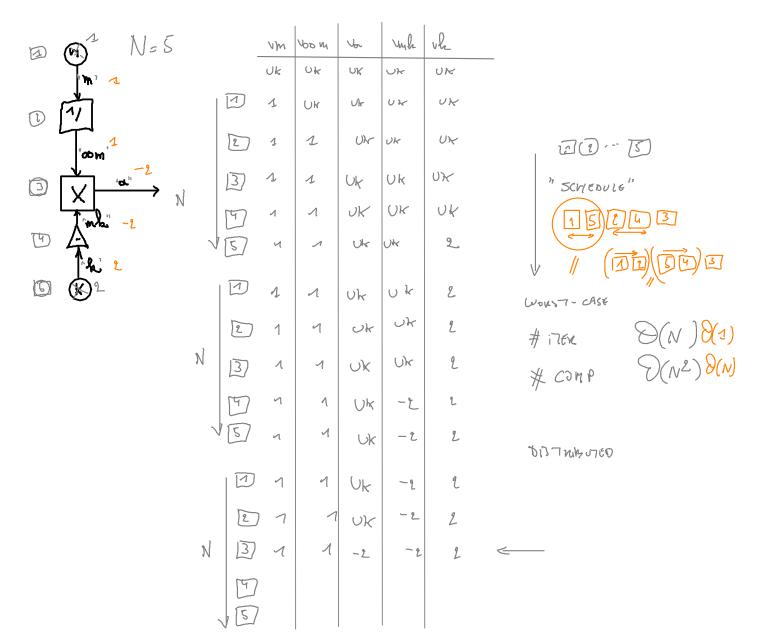
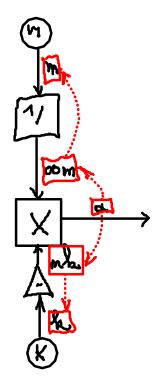
	Hit WAR (HY		FUTTEN	77	7
Time	FLAT		N 74x	SEW AA DENOTATIONAL "WHAT"	OPERATIONAL "HOU"
f wow?	ALGEBRAIC (ALG-(&D)	-> + -, 	NO LOOPS —————— VITH LOOPS		<i>ــــــــــــــــــــــــــــــــــــ</i>
0N	Discretf-ting (DT-(BD)	1111	→ <u></u> → → → → → → → → →		
TR.	CONTINUOUS -TIME	' 1			
		' ~	- J		



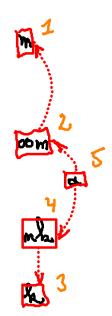


morm, moon, mon, mon i monte, much & TR



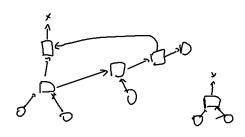


DEPENDENCY GRAPH



schedule = [m, oom, k, mk, a]





operational semantics

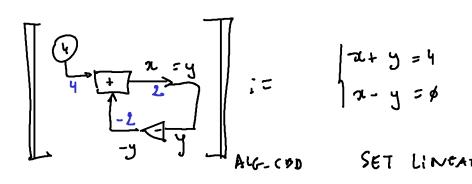


depGraph = buildDepGraph(CBD)
schedule = topologicalSort(depGraph)



for block in schedule:
 block.compute()





$$\begin{vmatrix}
\pi + y = 4 & x = 4 - y \\
\pi - y = \emptyset & y = \infty$$

SET LINEAR EQNS.
2 UNKNOWNS
2 EQNS

$$\begin{cases} 2x + 4y = 4 \\ x + y = 2 \end{cases}$$

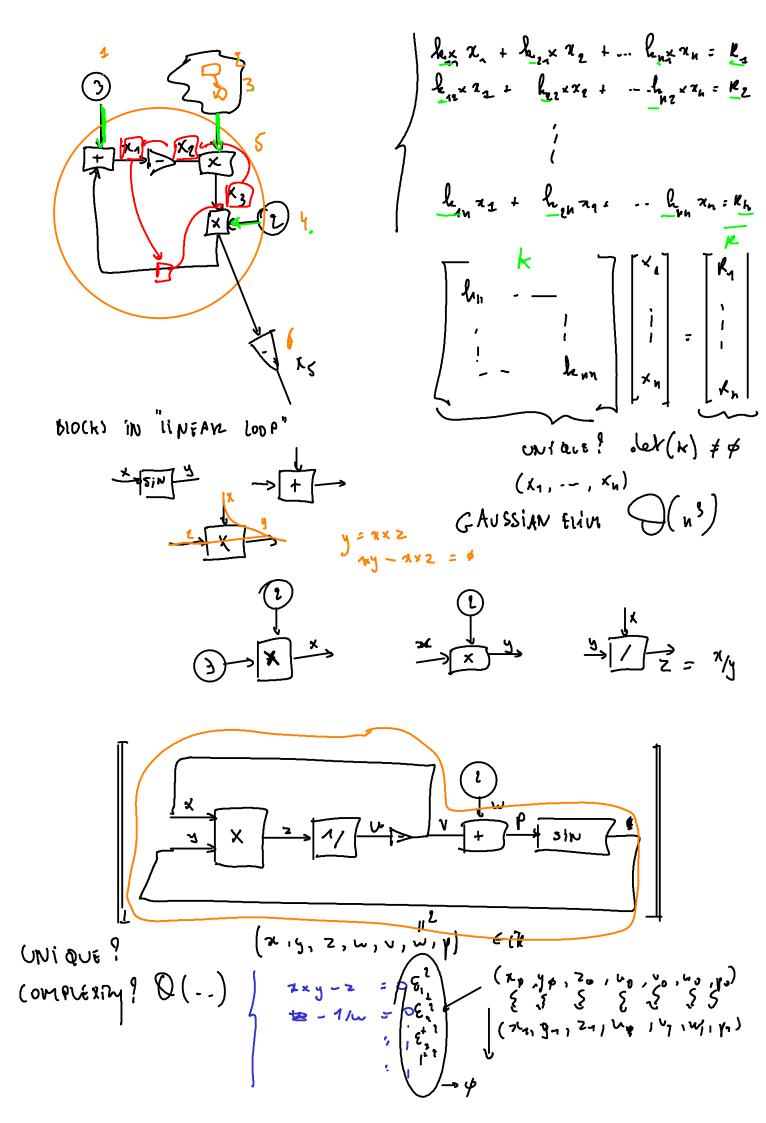
$$y = 1 - x$$

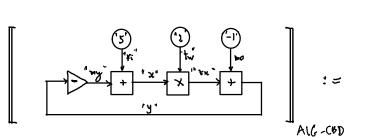
$$\begin{bmatrix} 2 & 2 \\ 1 & 1 \end{bmatrix} \begin{bmatrix} x \\ y \end{bmatrix} = \begin{bmatrix} y \\ 2 \end{bmatrix}$$

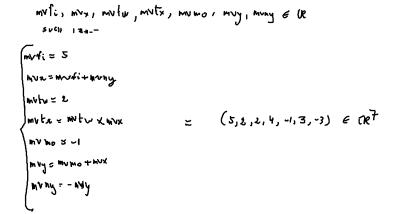
$$\begin{vmatrix} 2 & 2 \\ 1 & 1 \end{vmatrix} = \emptyset$$

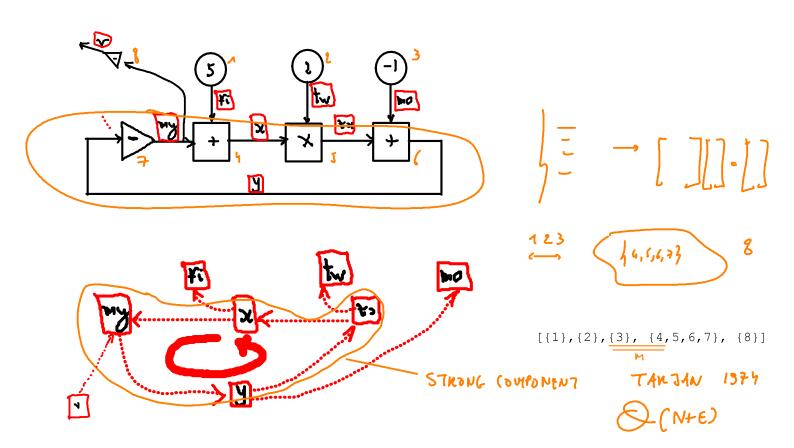
$$\lambda = \frac{\begin{vmatrix} 4 & 1 \\ | p & -1 \end{vmatrix}}{\begin{vmatrix} 1 & 1 \\ | & -1 \end{vmatrix}} = \frac{-4}{-2} = 2$$

$$y = \frac{\begin{vmatrix} 1 & 4 \\ 1 & f \end{vmatrix}}{\begin{vmatrix} 1 & 1 \\ 1 & -1 \end{vmatrix}} = \frac{-4}{-1} = \mathcal{L}$$









operational semantics

schedule = topologicalSortAndLoopDetect(depGraph(CBD)) \bigcirc (N+E)



Some sers of Couples EQNS (SIZE IN) SOLVER COMPLEXITY & O (M3) USUALLY M << N