

1. BUILD DEP. GRAPH UP TO [S]
2. PARTIAL SORT/LOOP DEP UP TO [S]
3. COMPLETE DEP GRAPH WITH [A] OR [B]
4. FULL SORT/LOOP DEPEND

MULTIPLE TEST BLOCK
 FIXED POINT



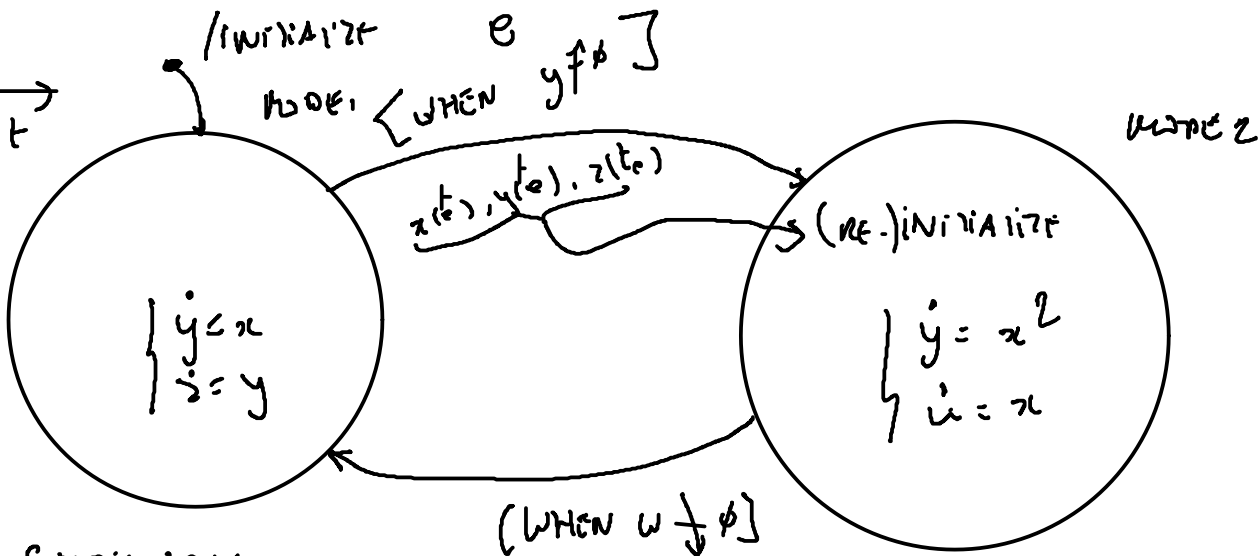
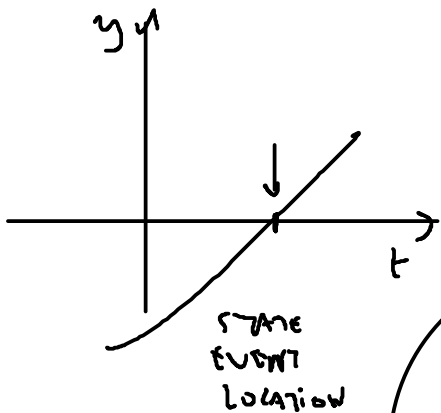
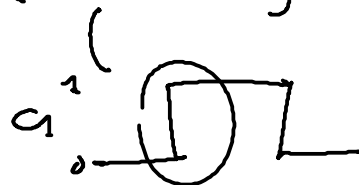
$$y = c_1 x + c_2 x^2$$

	c_1	c_2
MODE 1	1	0
MODE 2	0	1
$c_1 + c_2 = 1 \quad c_1, c_2 \in \{0, 1\}$		

- MISS OPPORTUNITIES (e.g. LIN. ALG. LOOP)
- NUMERICAL PROBLEMS (CONTINUITY)

$$y = x$$

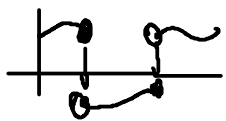
$$y = x^2$$

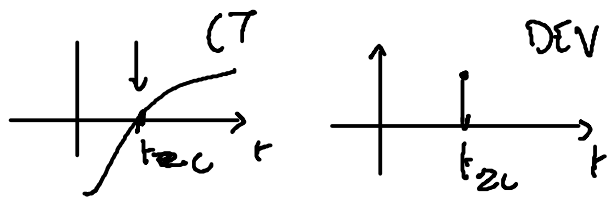


MODE 1 & 2

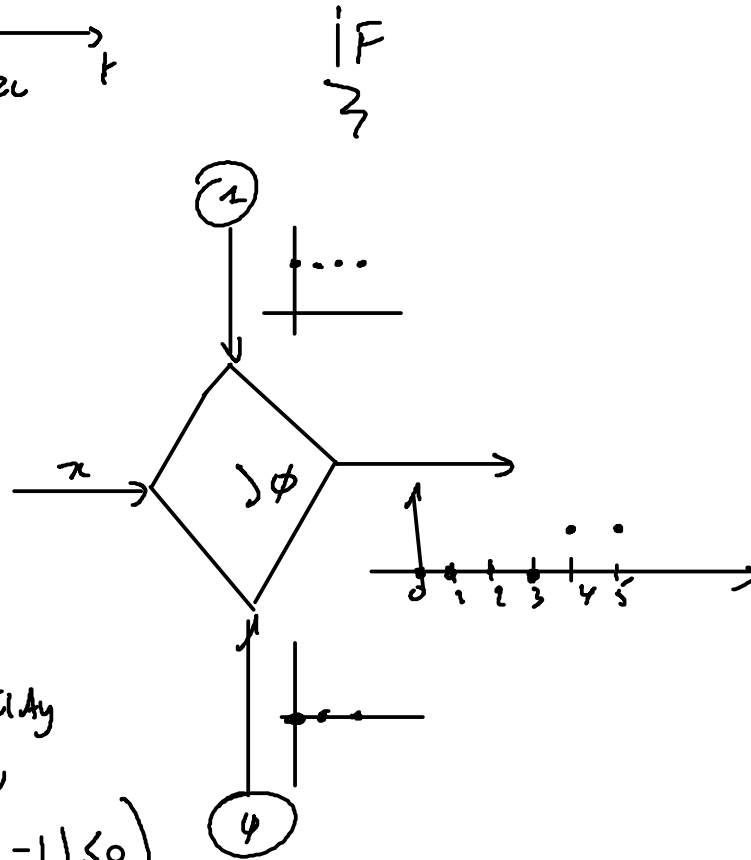
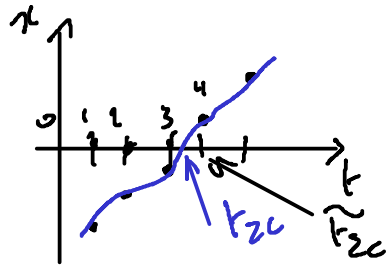
$$\begin{cases} \dot{y} = c_1 x + c_2 x^2 \\ \dot{z} = c_1 y & (\dot{z} = 0 \text{ WHEN } M \text{ USED}) \\ \dot{u} = c_2 x \end{cases}$$

SD PIECEWISE CONTINUOUS

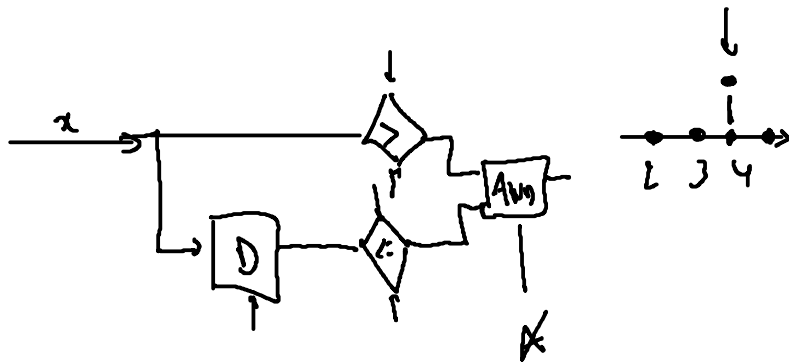


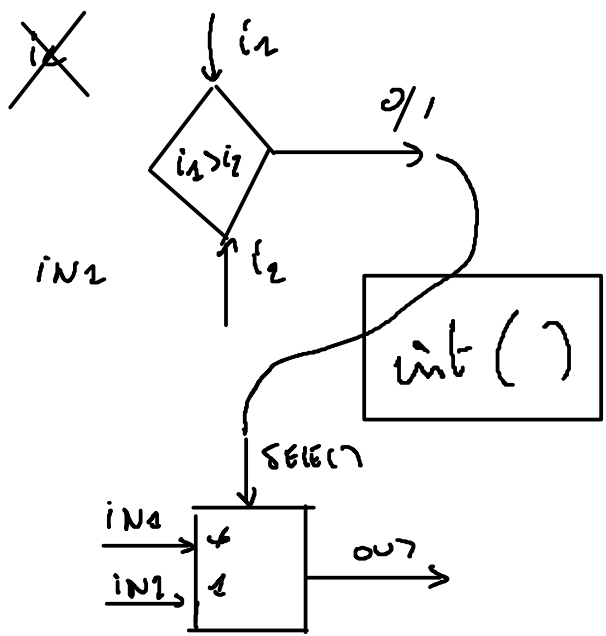


WHEN: $(12 \rightarrow 12)$ WHEN: $(\tilde{x}(t) \neq \phi)$
 \rightarrow DEV signal.



$\tilde{t}_{zc}?$: $(\tilde{x}(\tilde{t}_{zc}) > 0) \& (\tilde{x}(\tilde{t}_{zc}-1) \leq 0)$

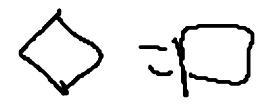
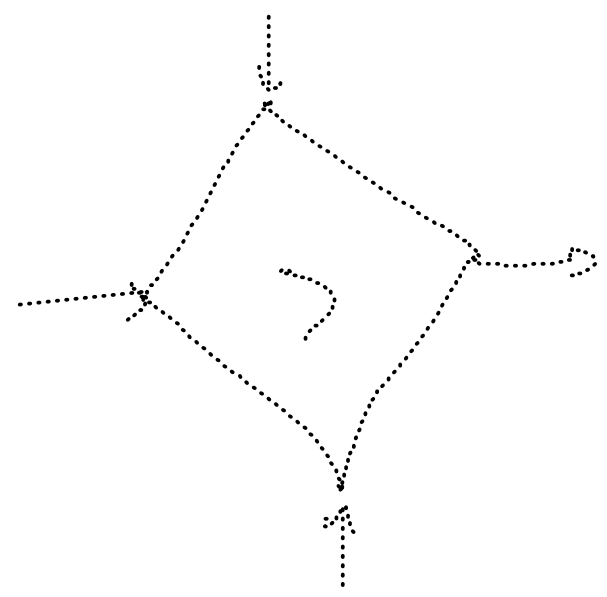


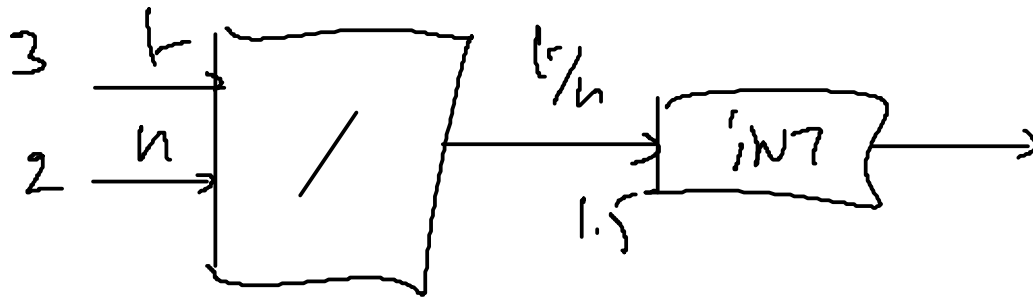


GREATER THAN

MULTIPLEXOR
SELECT

(*)
OR X
0 1





$$x = \frac{C}{V} \cdot \frac{EF}{EF} ;$$

FMU
CODE GEN

