

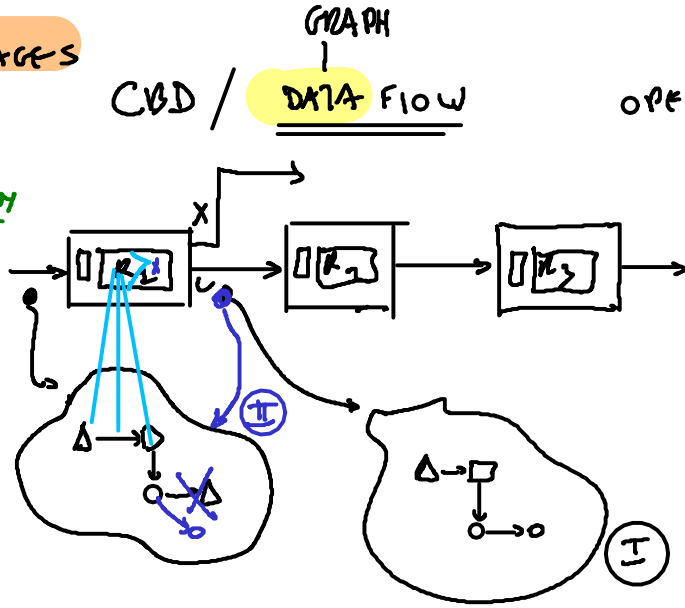
SCHEDULING LANGUAGES

(+)

RULE LANGUAGE

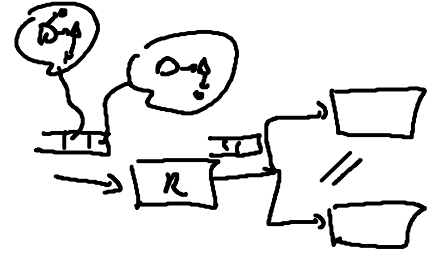
STRING / TREE / GRAPH

1.



(1) OUT PLACE  
(2) IN PLACE

OPERATIONS: GRAPH TRSF.  
SPECIFIED BY RULE



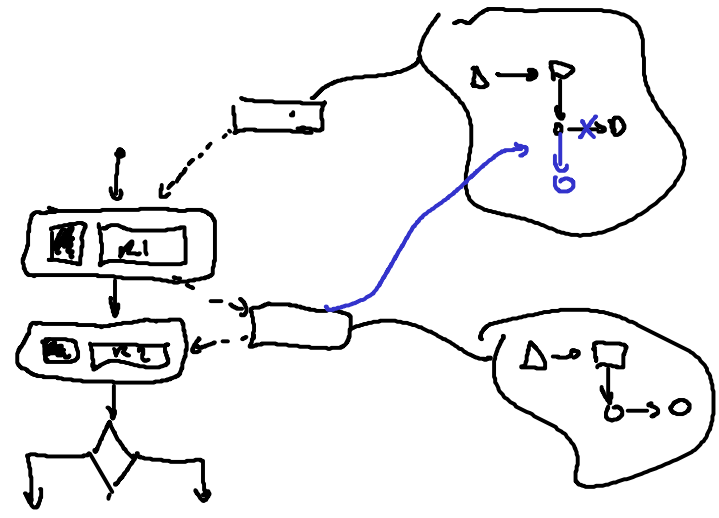
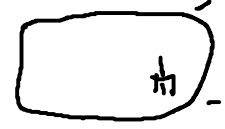
↓ HIERARCHY (+)

GREAT (GME)

2.

ACTIVITY DIA GRAM

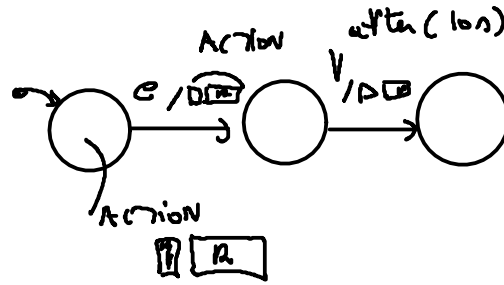
COMMON FLOW



FUJABA  
"this"  
PIVOT  
FIRST MATCH

3.

TIMED STATE AUTOMATA  
STATE CHARTS



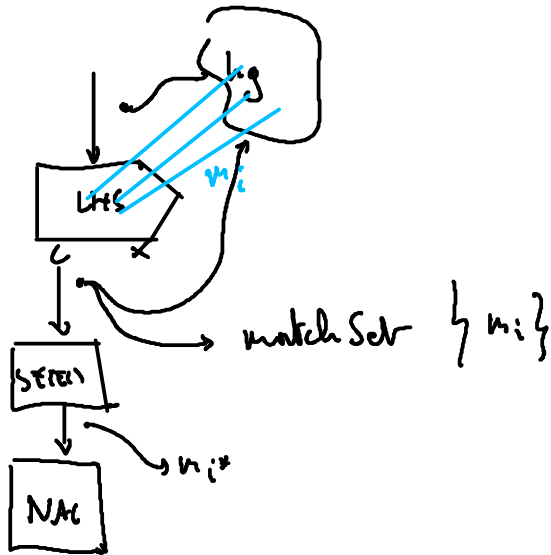
TIMED HT  
CONCURRENCE



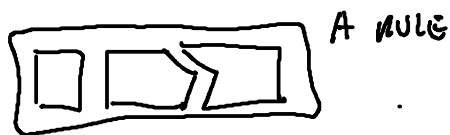
4.

DEVS

- TIME
- HIERARCHY
- DEV
- CONCURRENCE



Motif



3.

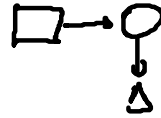
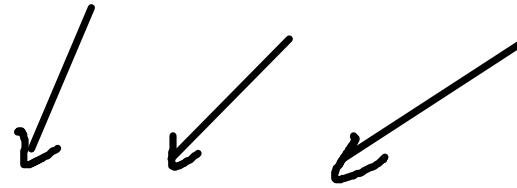
PROGRAMMING LANGUAGE

GRAPH

FUTANA

UW7K

COMPILER



NAC (LHS) RHS

hg = GRAPH()

LHS rule = LHS RULE()

matcher = MATCHER()

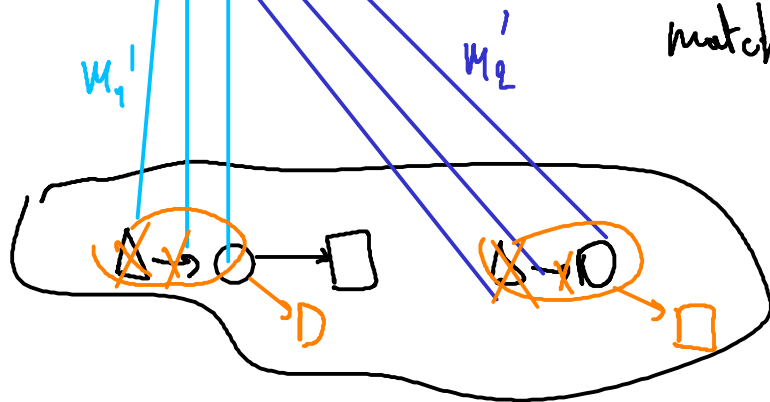
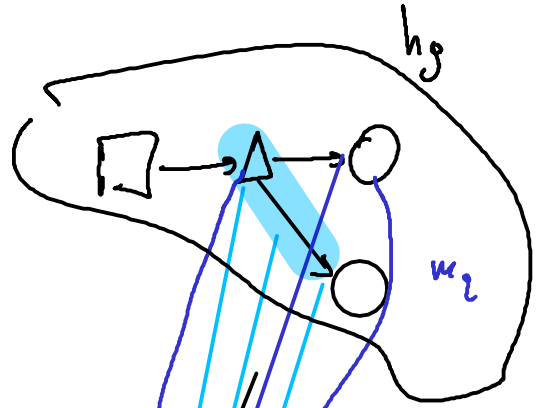
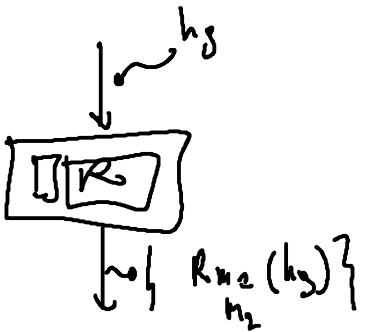
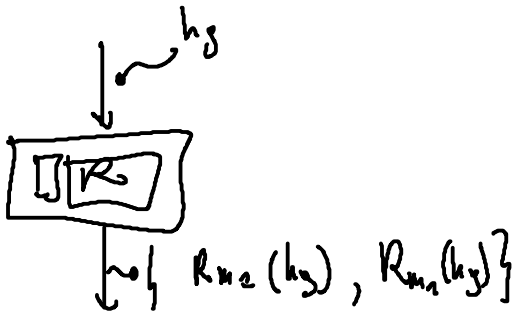
match set = matcher.match(LHS rule, hg)

match = select(match set)

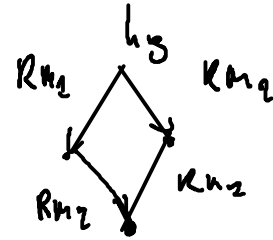
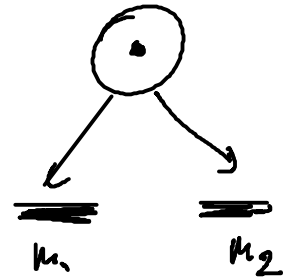
...

REWRITER()

T-core

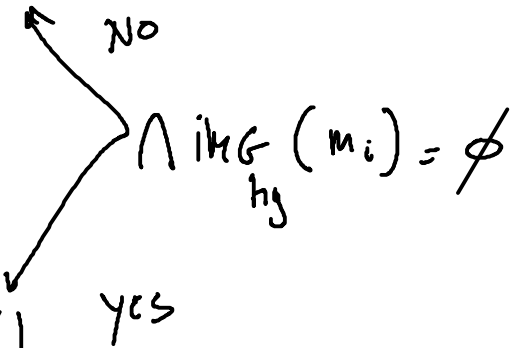


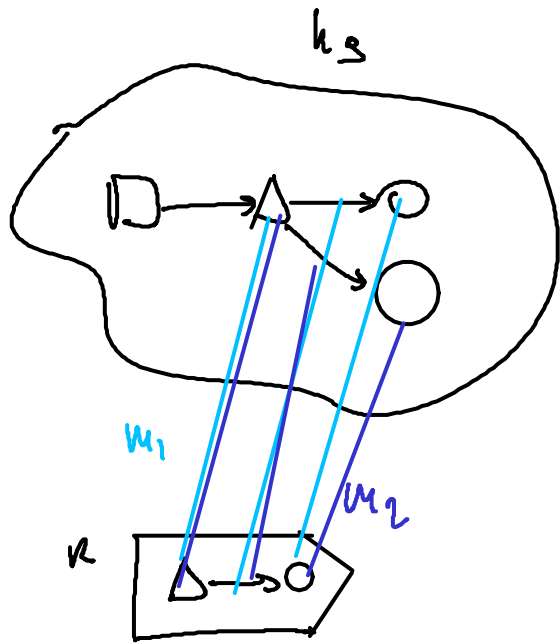
$matchSet = \{ m_1, m_2 \}$



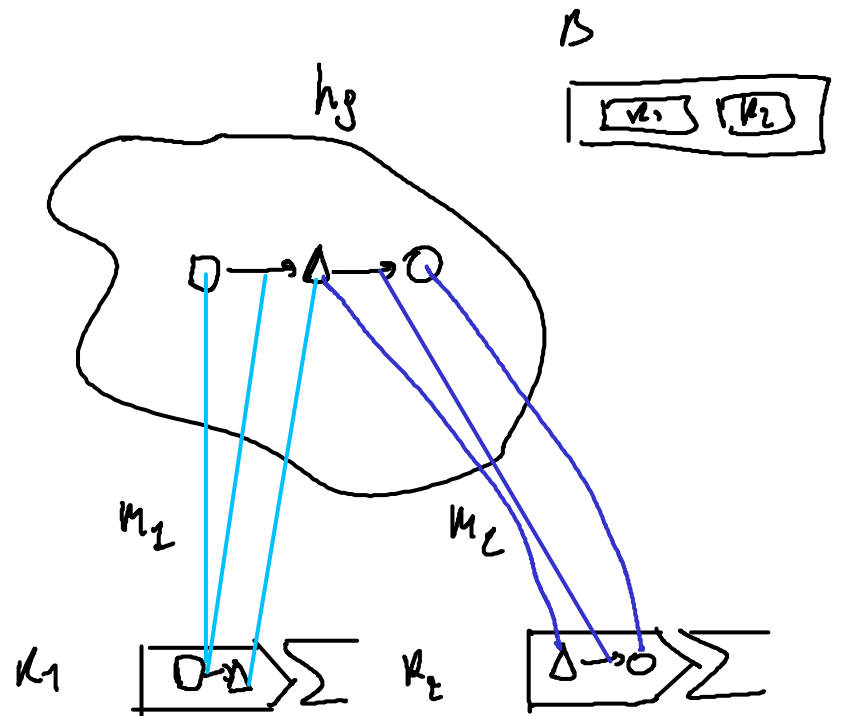
$matchSet' = \{ m_1', m_2' \}$

Apply in //





~~$\bigcup_I ([0, 2])$~~   
~~MATCH~~  
 OPPORTUNISTIC



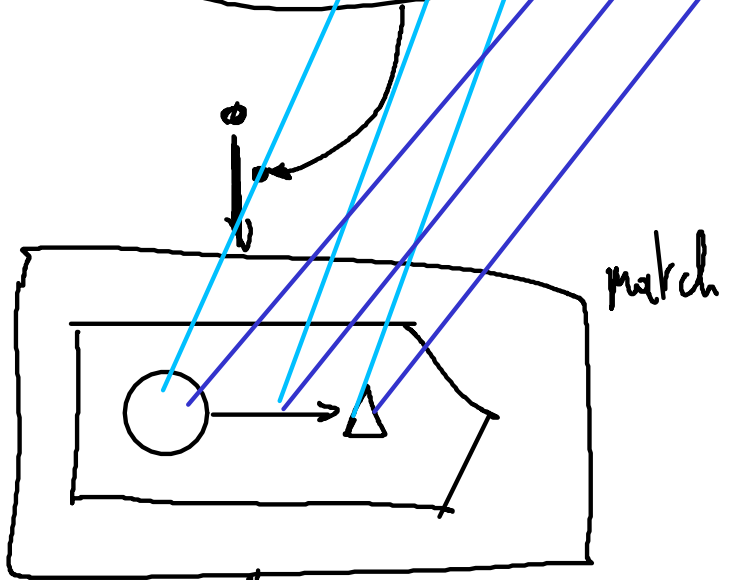
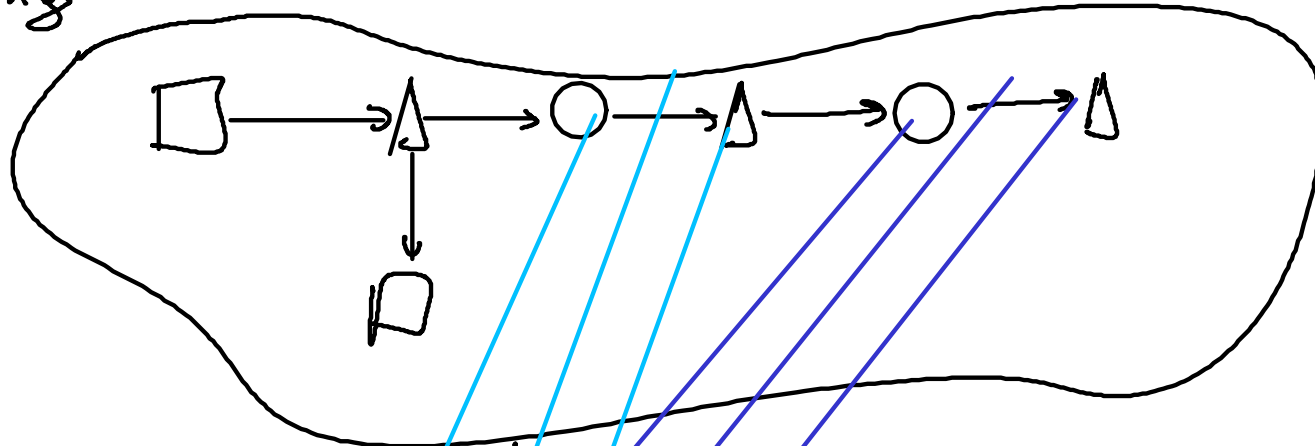
RANDOM CHOICE  
 FROM ALL MATCHES  
 (REPEATABLE)

SELECT ( $\phi$ ,  $\{m_1, m_2\}$ )

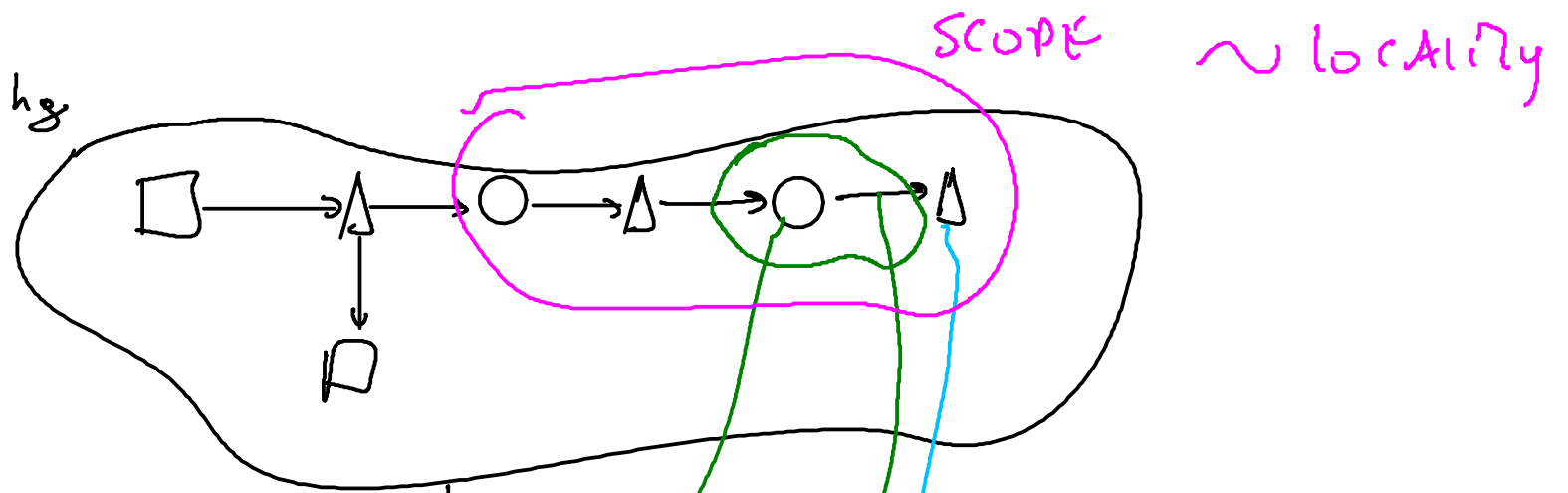
$\bigcup_I ([0, 2])$

PSEUDO-RANDOM NR. GENERATOR (SEED)

hg

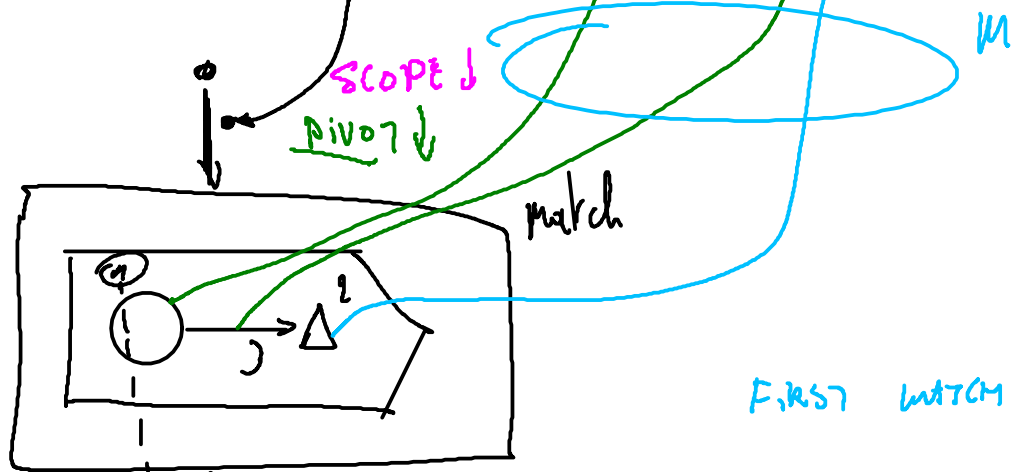


MATCHSET  
 $\{ m_1, m_2 \}$

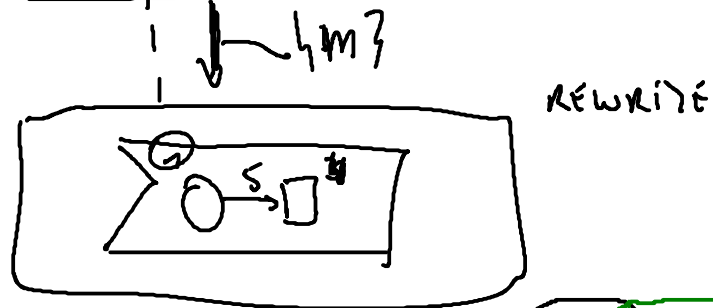


WHERE TO START  
PARTIAL WATCH

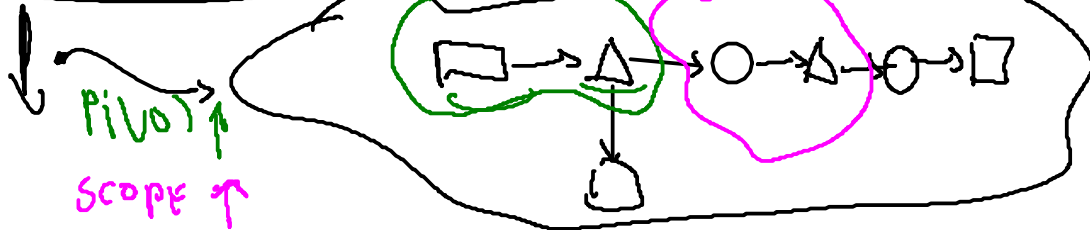
FUG ADA  
This



FIRST WATCH



SUBGRAPH



SCOPE ↑