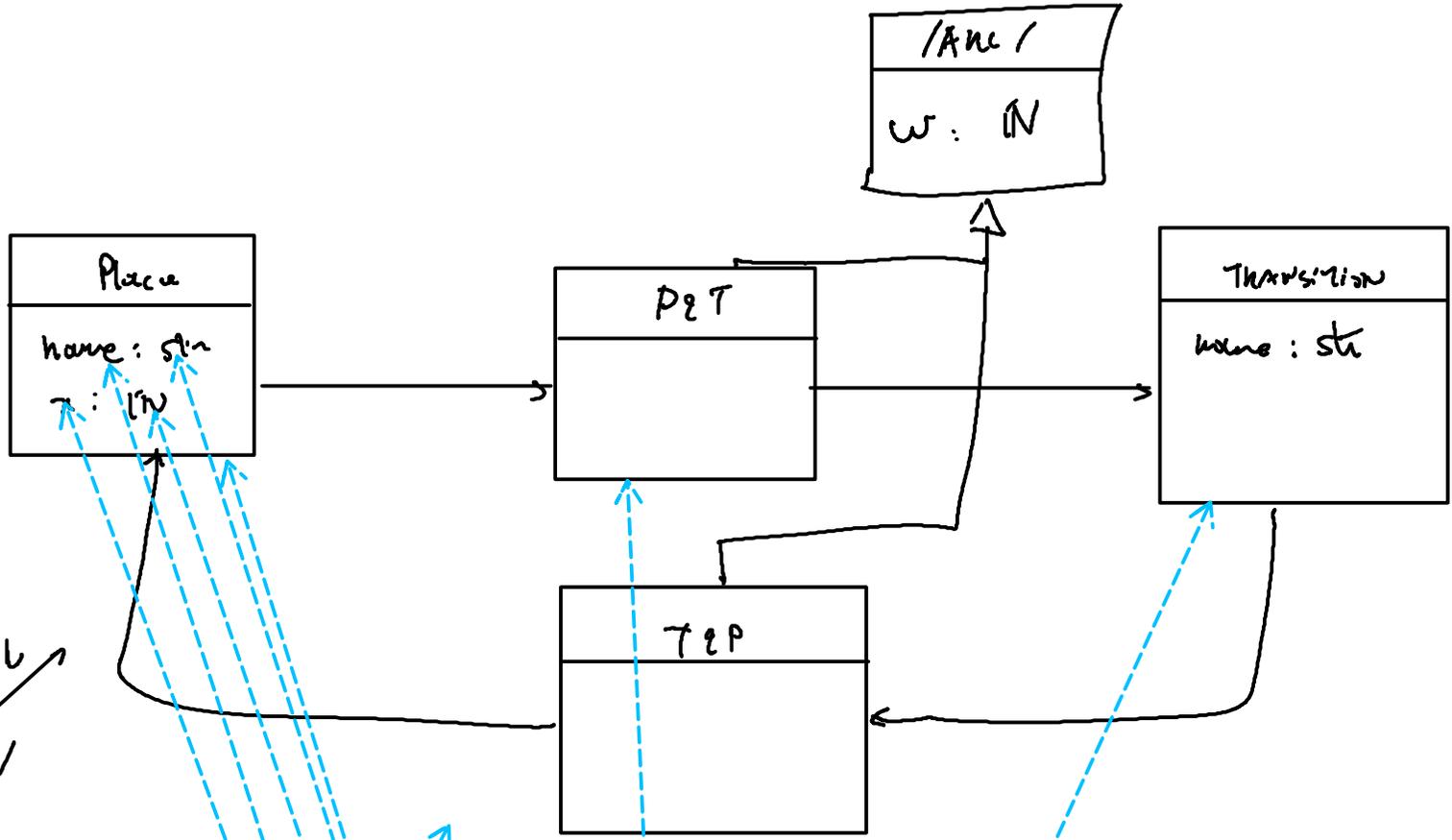
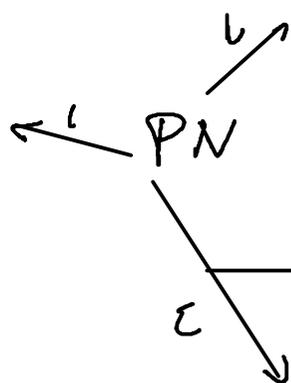


$PN = \langle P, T, A, w, x \rangle$

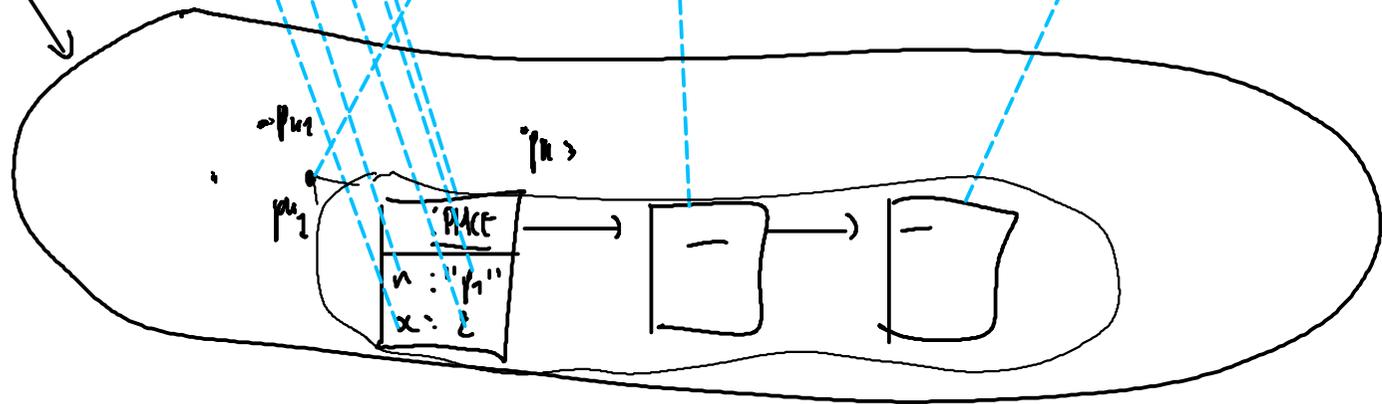
A
 \cap
 $(P \times I) \cup (T \times P)$
 $w: A \rightarrow \mathbb{N}$
 $x: P \rightarrow \mathbb{N}$



$E(PN) = \{ p_1, p_2, \dots, p_n \}$

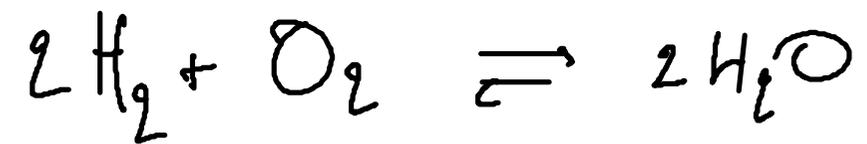
p_1, p_2, \dots, p_n

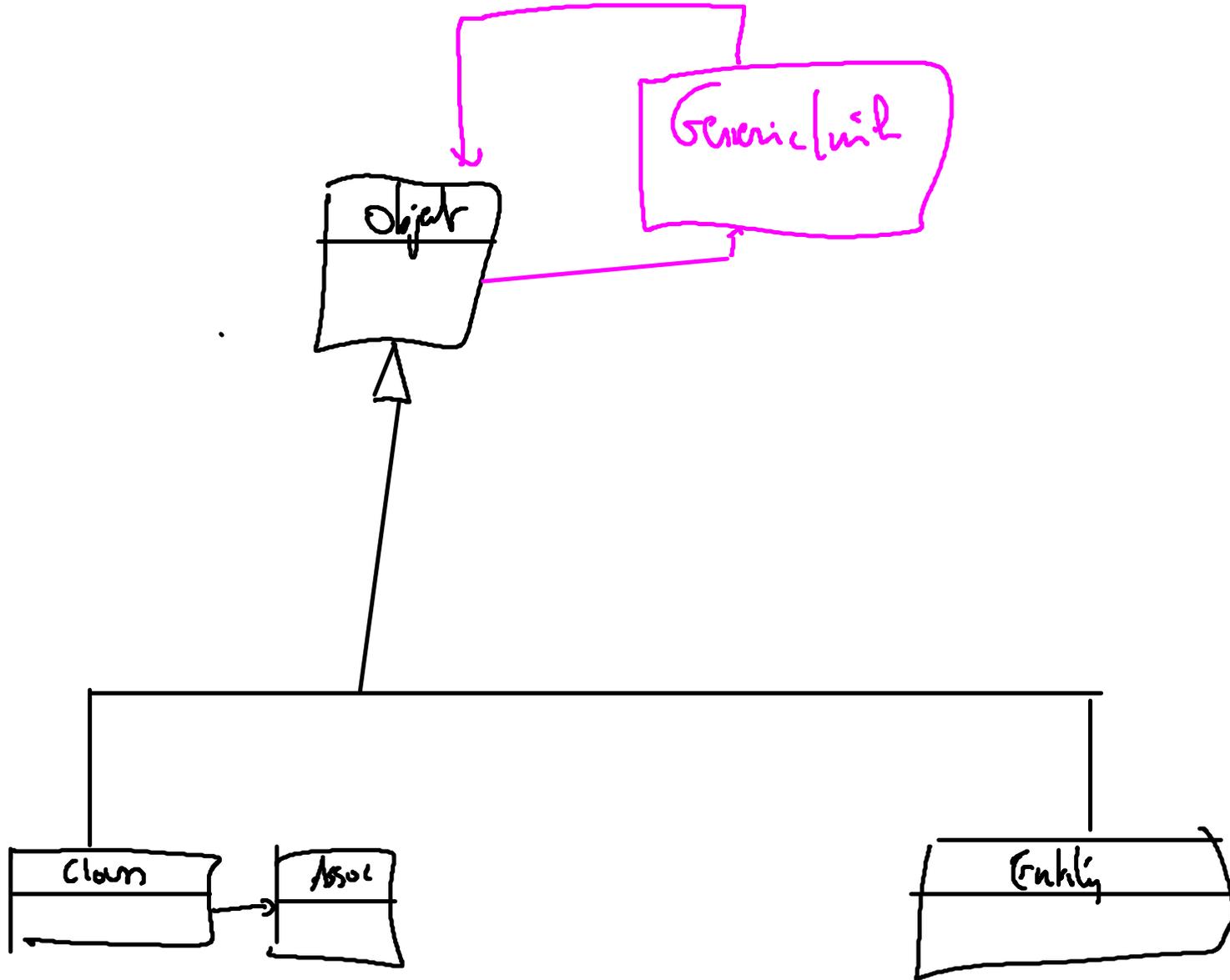
$\bar{x} = [x(p_1), \dots, x(p_n)]$



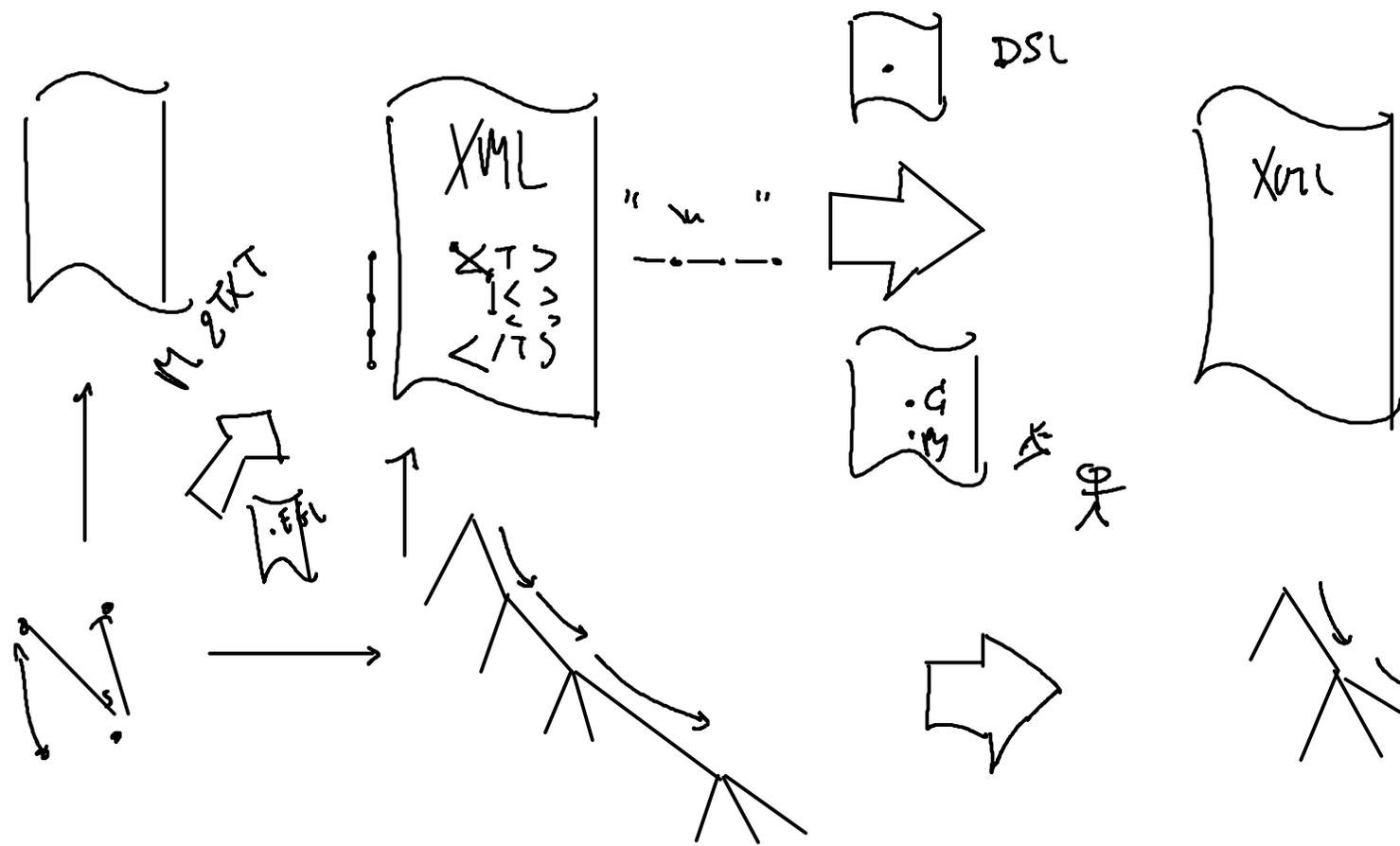
JEAN RÉZIVIN

Rien ne se crée, tout se transforme
Antoine Lavoisier

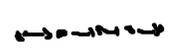




XSLT



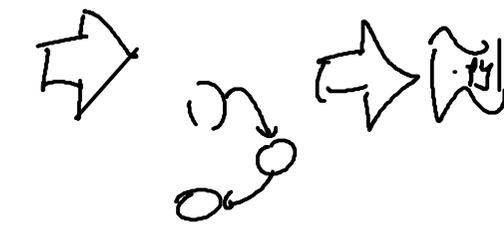
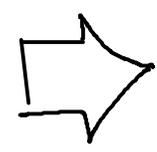
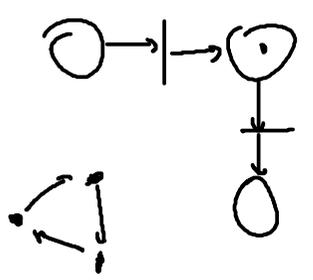
String \Rightarrow "AAB⁻AAA BC"



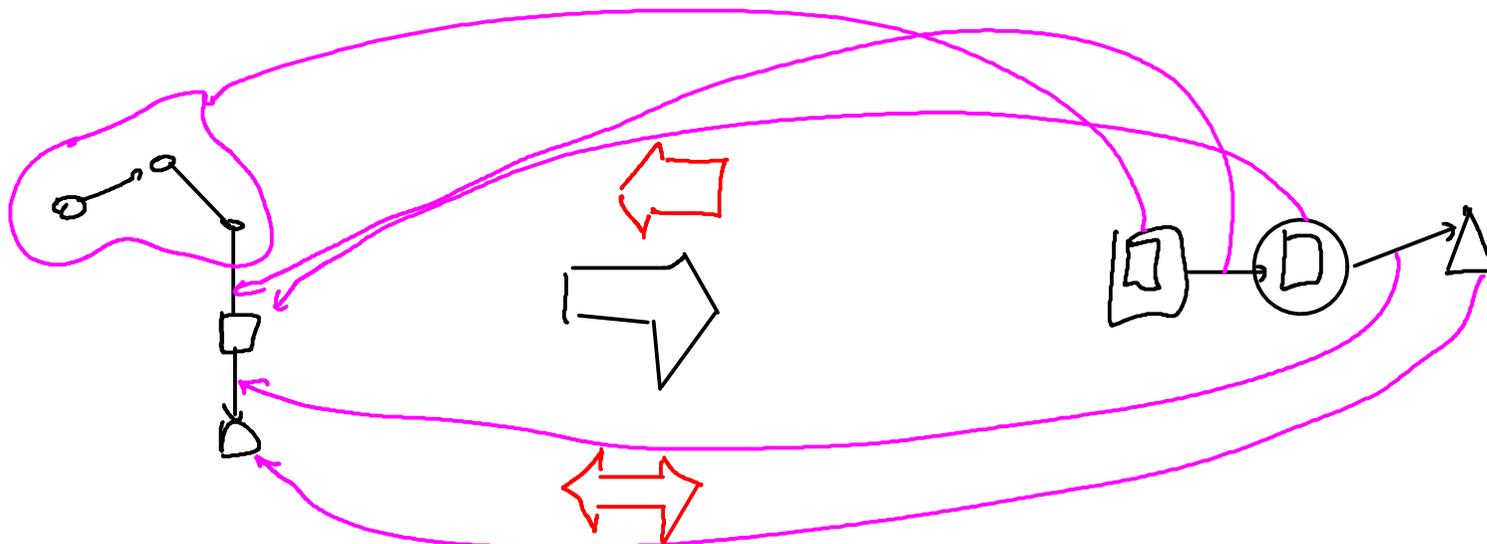
"AA₁AA₂AAA₁AAA"



REGEXP SED



TRACE



REGULATION

— CONSISTENCY —

Bi-DIRECTIONAL TRSF.



C
 ↓
 MISRA - C
 SAFE - C

RESTRICT

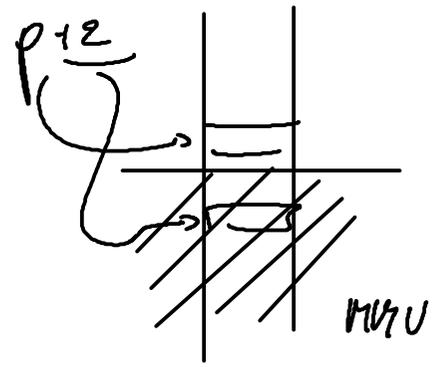
X POINTERS / POINTER ARITHMETIC

X VARIABLE LENGTH DATA STRUCTS
 int a[] *malloc* (HEAP)

STATIC (NO DYNAMIC MEM ALLOC)

X (FUNCTIONS → STACK OVERFLOW)
 RECURSION

X WHILE (TRUE) FOR (i ∈ [1, N])
 TERMINATION



DSL

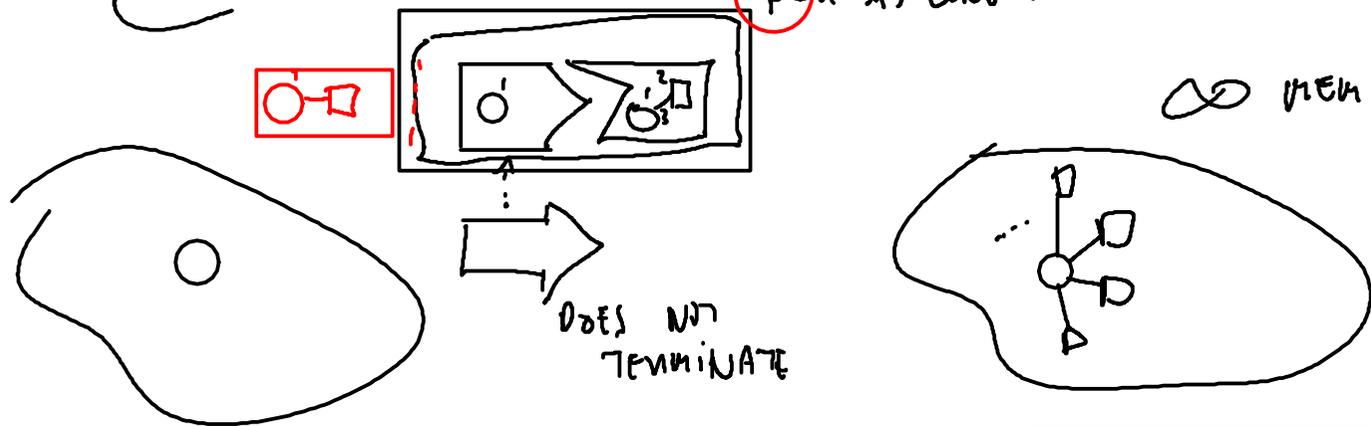
RULE-BASED

RT

GRAPH

DSL

FOR AS LONG AS MATCHES ARE FOUND

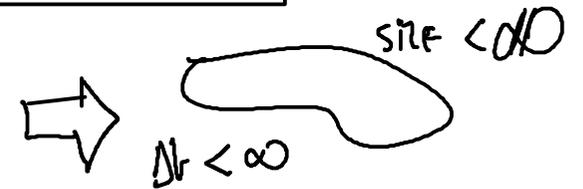
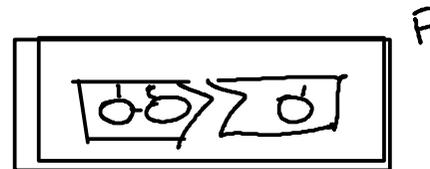
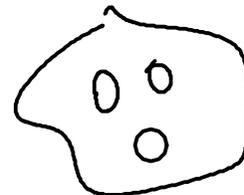


DOES NOT TERMINATE

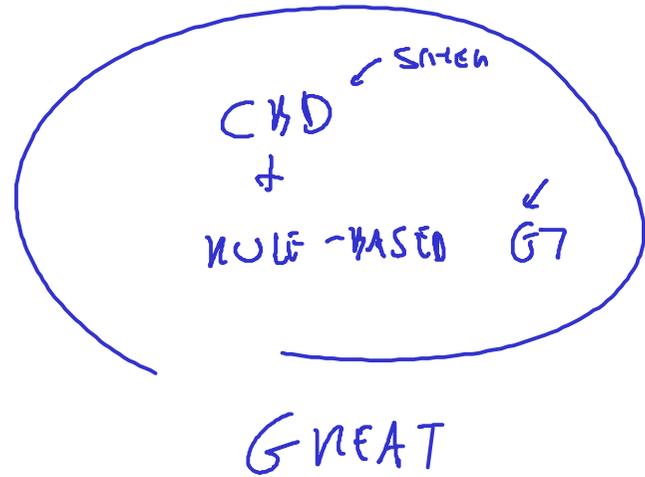
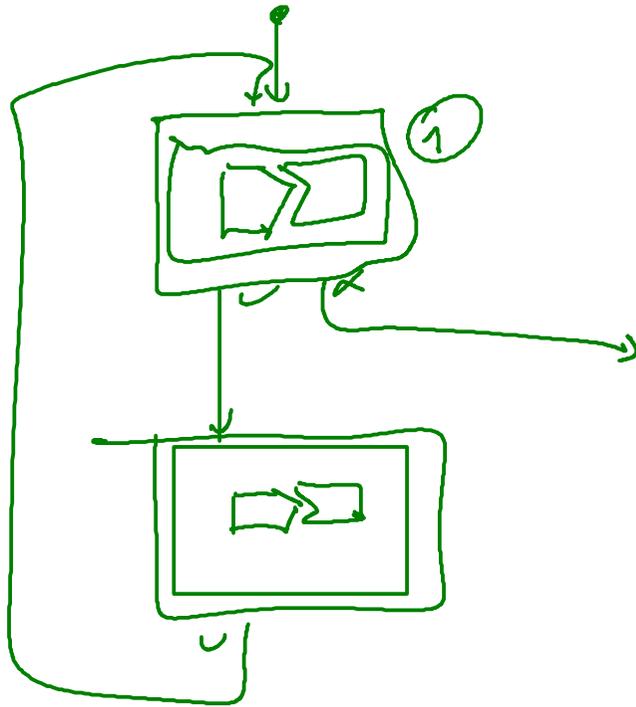
PROOF OF TERMINATION:

- INDUCTIVE
- MONOTONICITY

FINITE



~~WAVE~~



MT DSL

ALL MT WILL TERMINATE
BY CONSTRUCTION