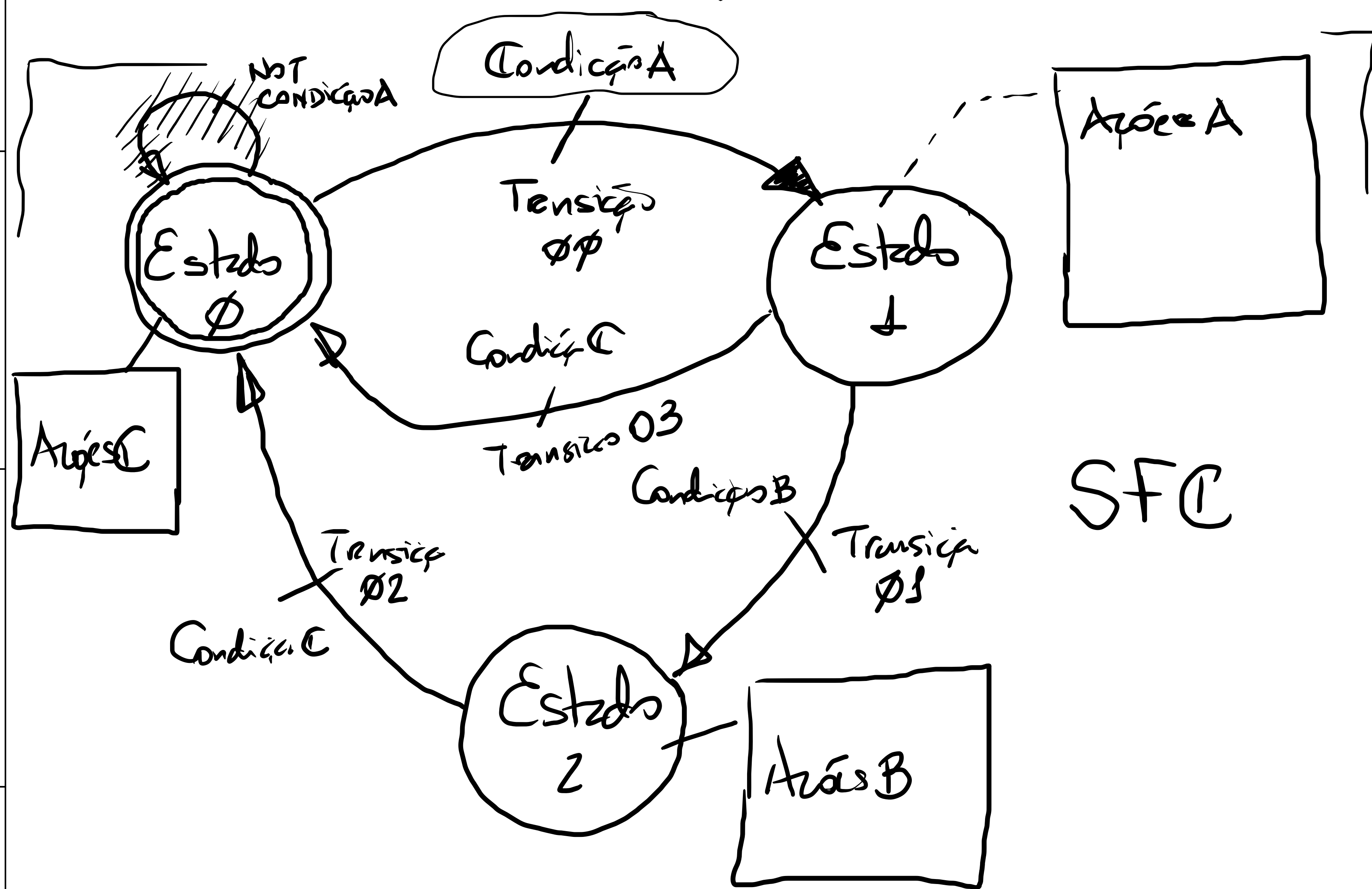


LADDER / SFC + ST

↳ Structured text

↳ Sequential Flow Chart

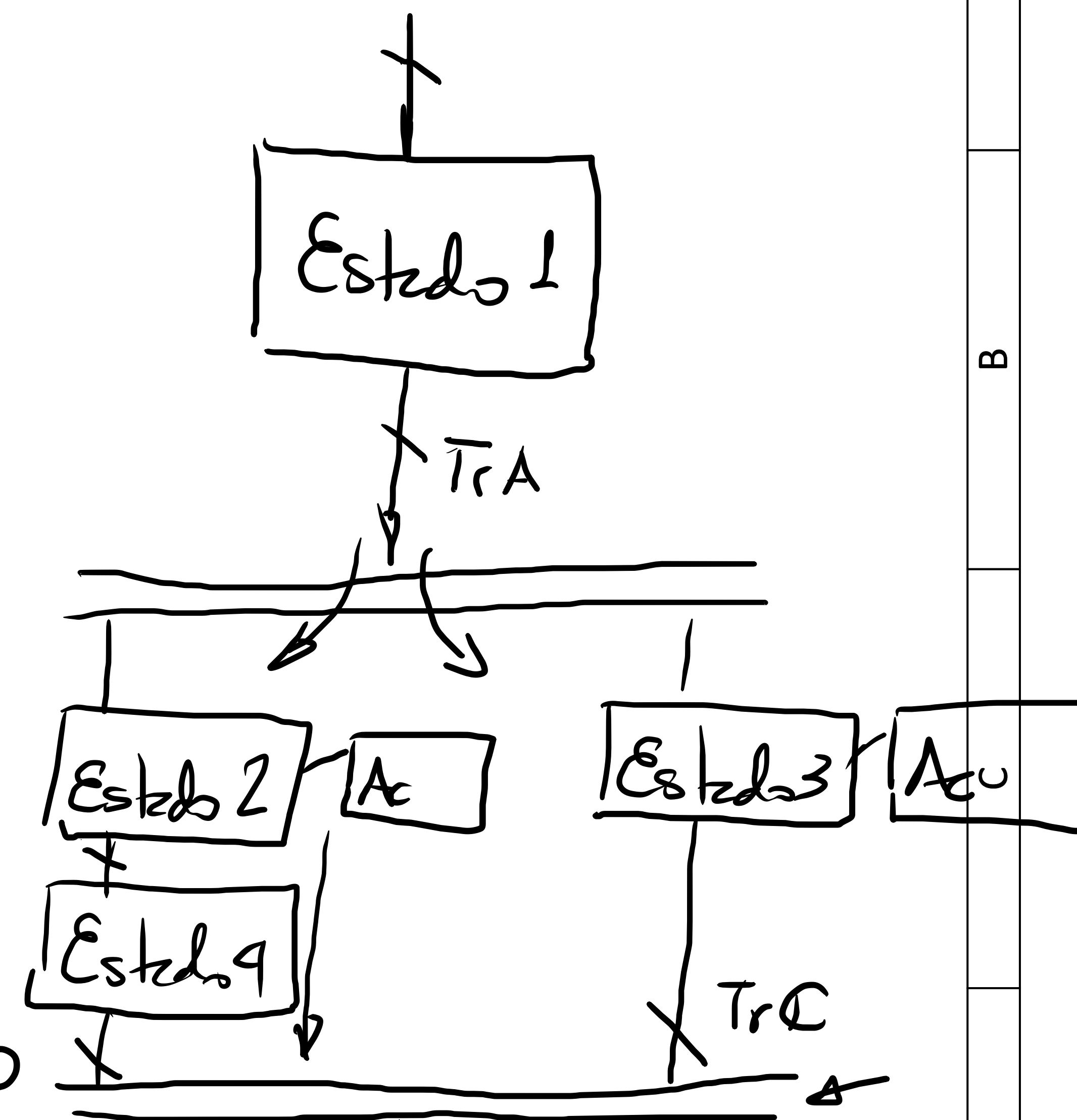
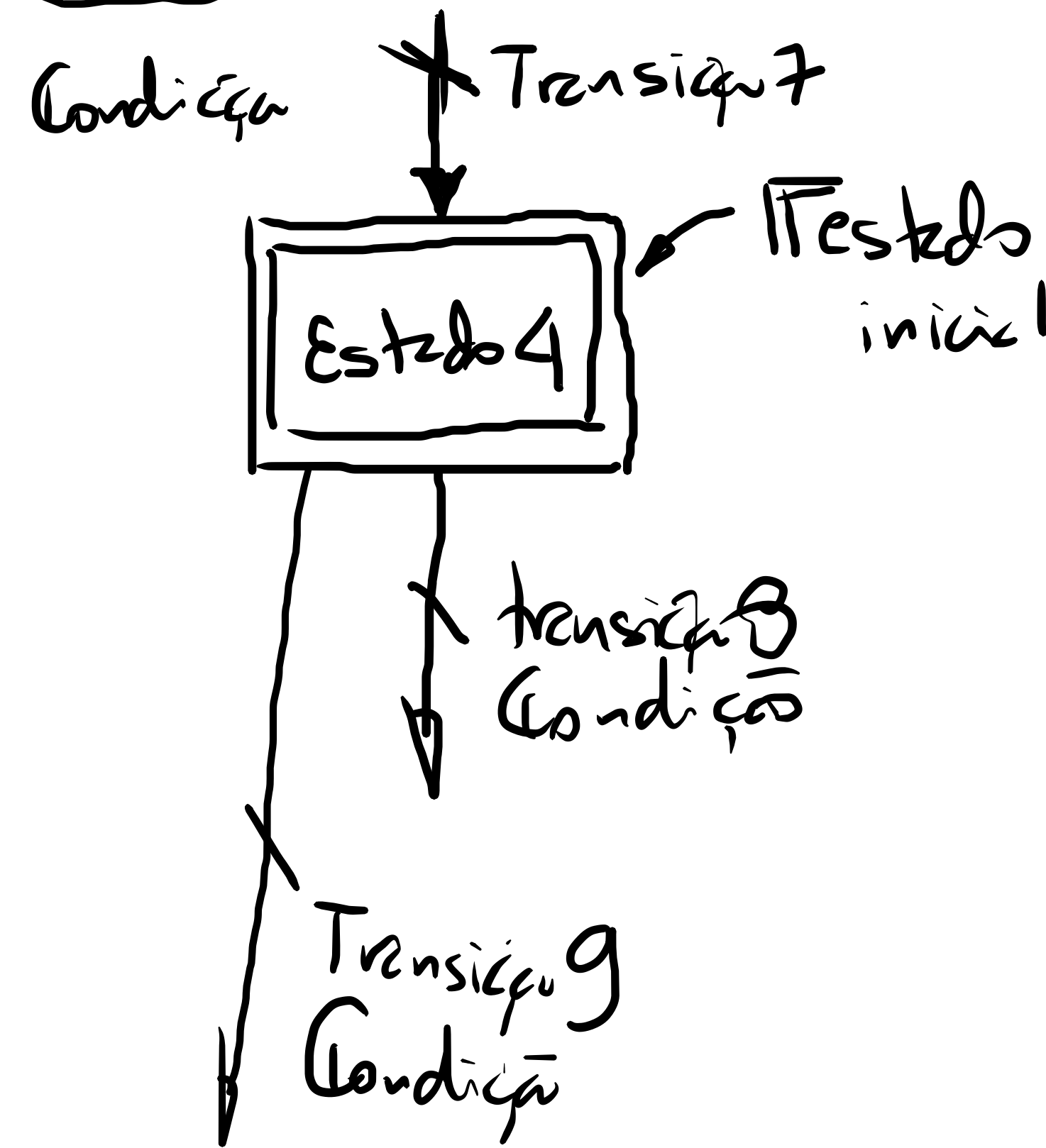
Máquinas de Estado



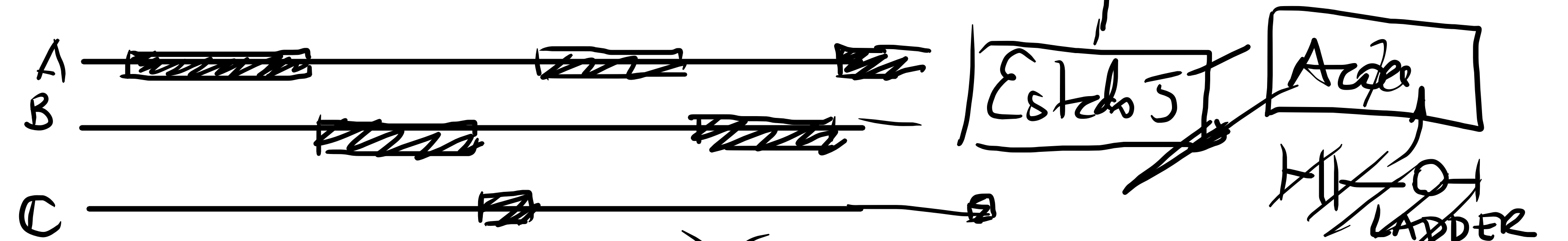
SFC

SFC → Grafcet

IEC 61131



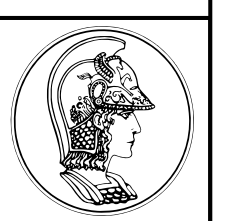
- Windriver
- VxWorks
- RTEMS
- QNX - Linux RT



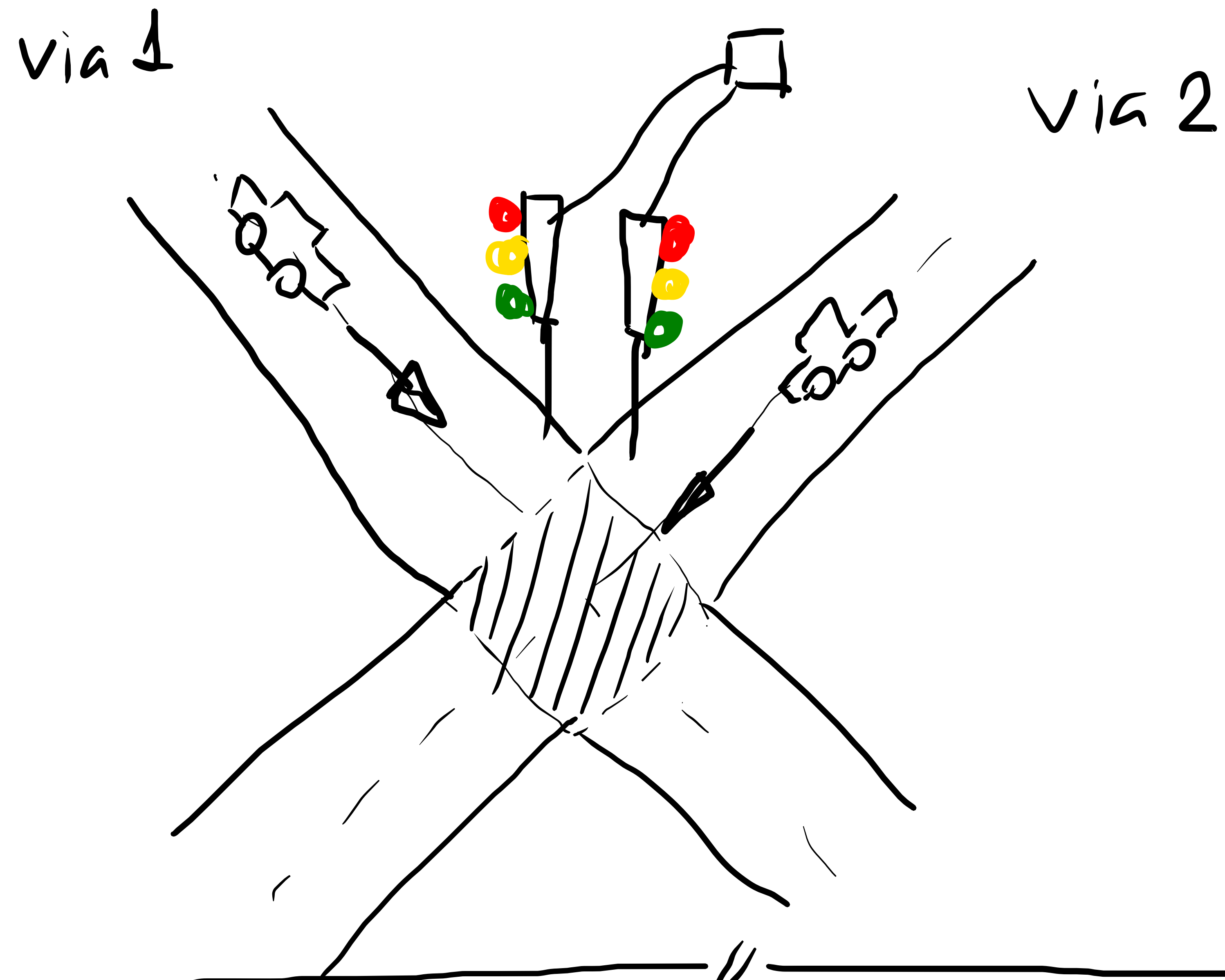
R.T.O.S.

~~A := 2~~ A := 2; < > > > < > < < < LADDER

ST



Sistema de Automação semafórica



$t_{AM} = 5,0 [s]$

$t_{VM1} = ?$

$t_{VM2} = ?$

config	1	2	3
via 1	$t_{VD1} = 25 [s]$	$t_{VD1} = 18 [s]$	$t_{VD1} = 20 [s]$
via 2	$t_{VD2} = 18 [s]$	$t_{VD2} = 25 [s]$	$t_{VD2} = 20 [s]$

saias digitais

via 1 { VM
AM
XD

via 2 { VM
AM
VD

entradas digitais

- config 1
- config 2
- config 3
- config 4
- partida
- parada

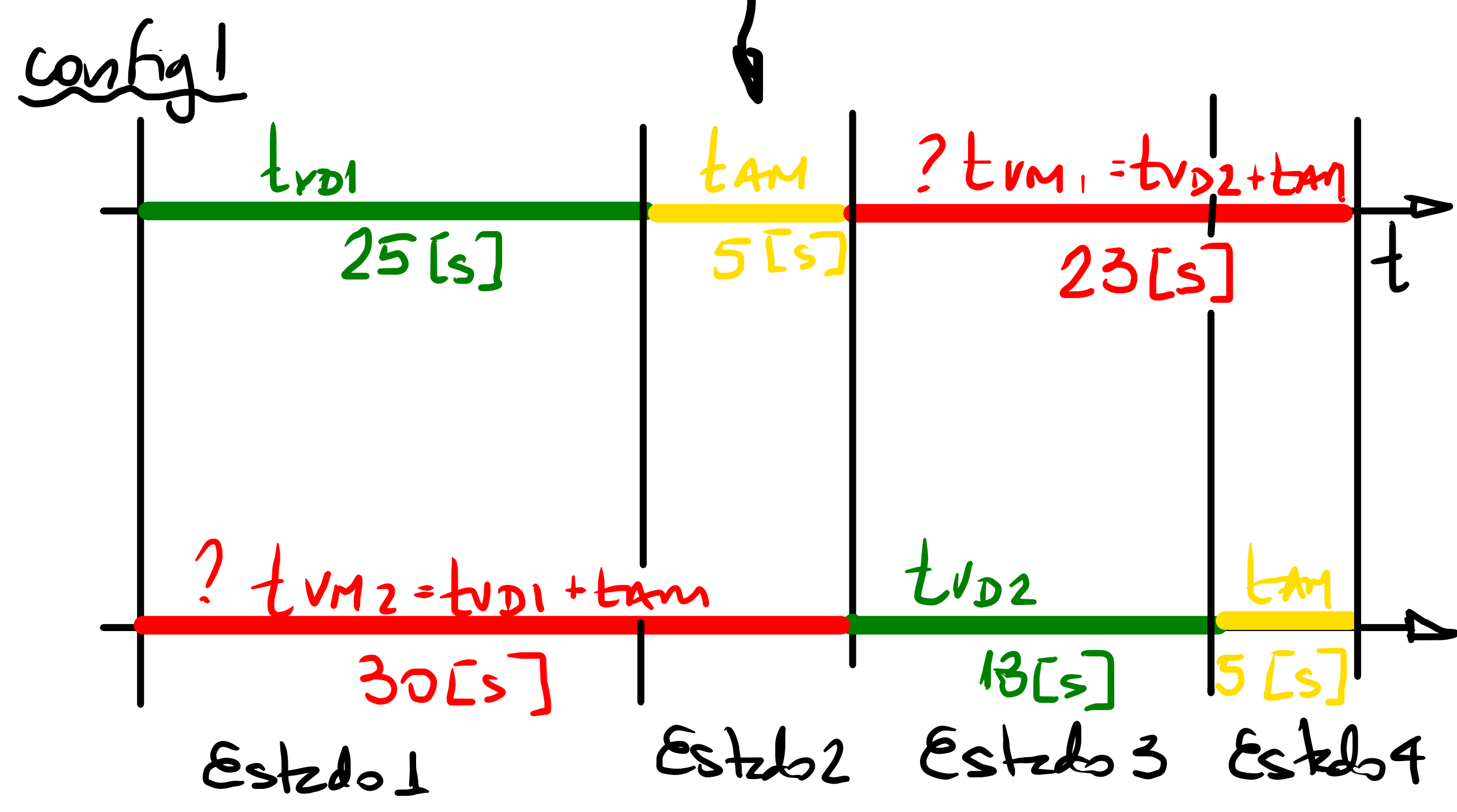
SCADA

Retornamos
às 11:15 hs

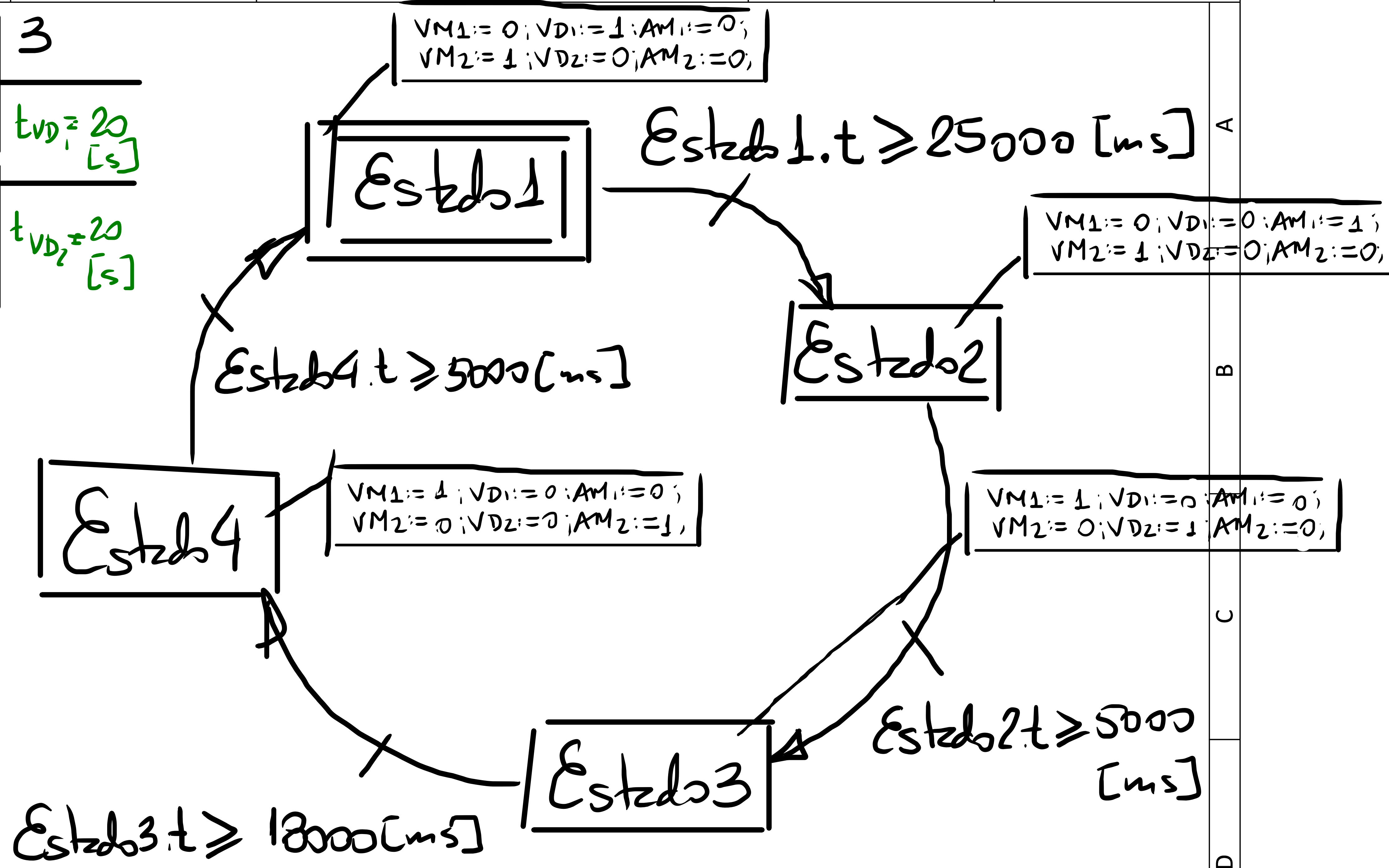
$t_{AM} = 5,0 [s]$

$t_{VM1} = ?$
 $t_{VM2} = ?$

config	1	2	3
via 1	$t_{VD1} = 25 [s]$	$t_{VD1} = 18 [s]$	$t_{VD1} = 20 [s]$
via 2	$t_{VD2} = 18 [s]$	$t_{VD2} = 25 [s]$	$t_{VD2} = 20 [s]$



- via 1
- VM
 - AM
 - VD
- via 2
- VM
 - AM
 - VD



	1	2	3	4	5	6	7	8	9
A									
B									
C									
D									
E									

