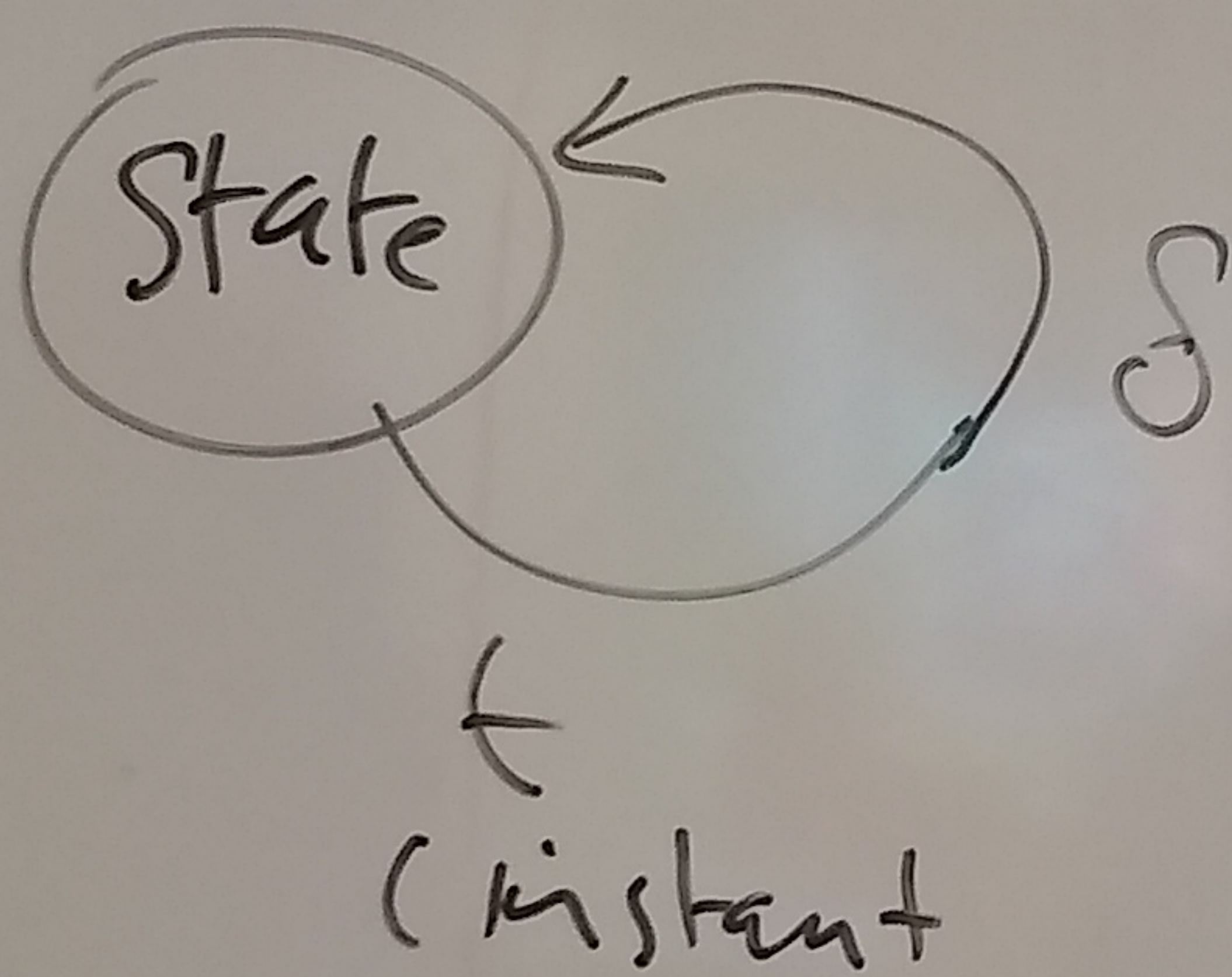
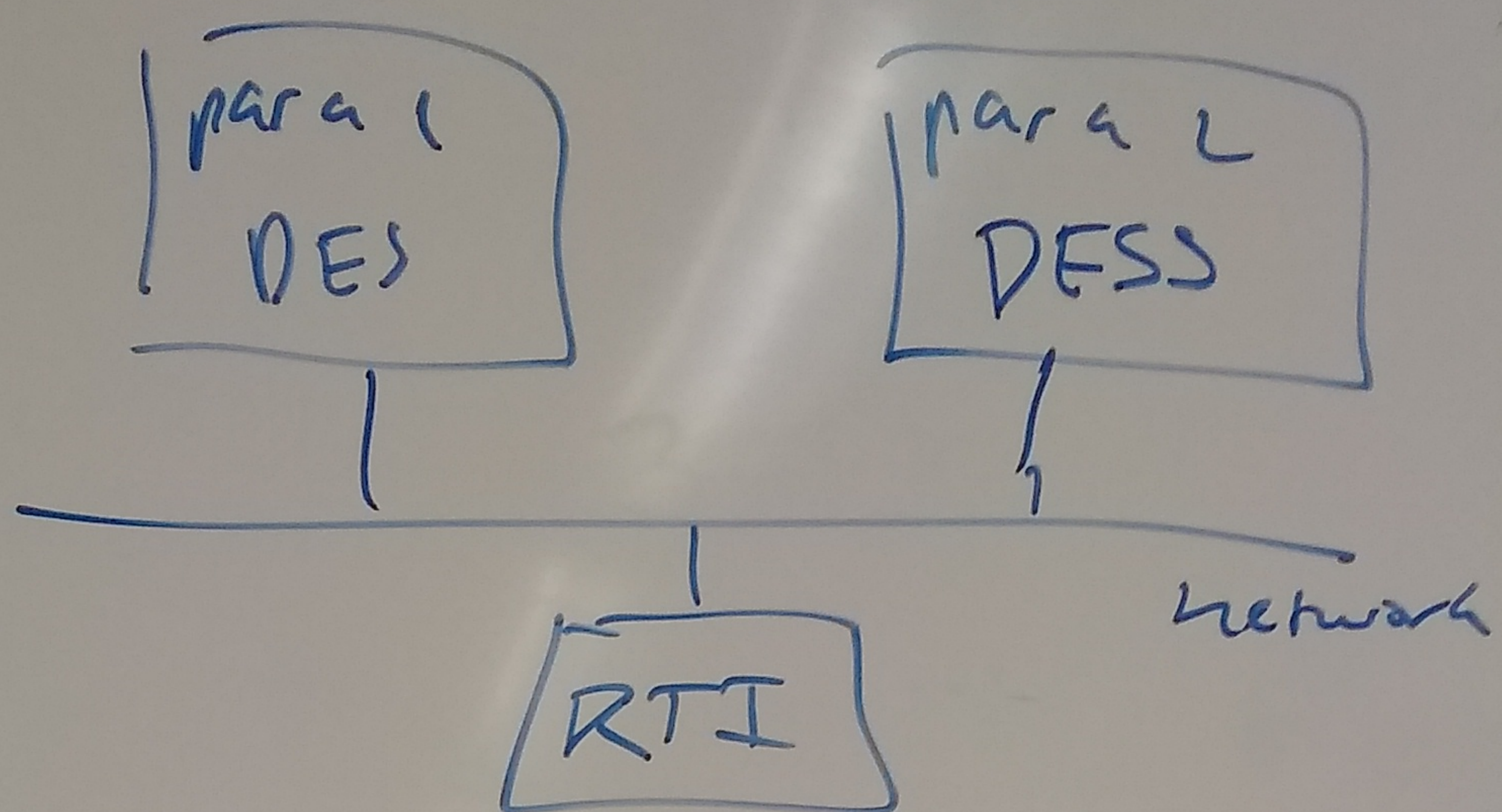


Multi-Paradigm Simulation



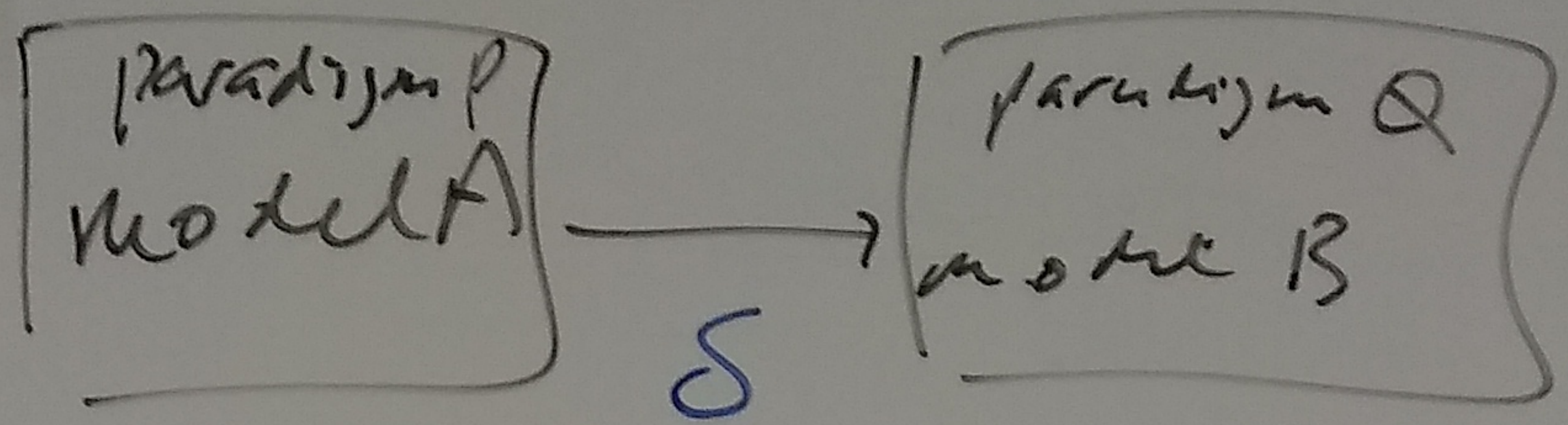
$$\text{at } t: S \xrightarrow{\delta} S'$$

$$ABM \xrightarrow{\text{map}} DE(V/S)$$

$$t_a = 1$$

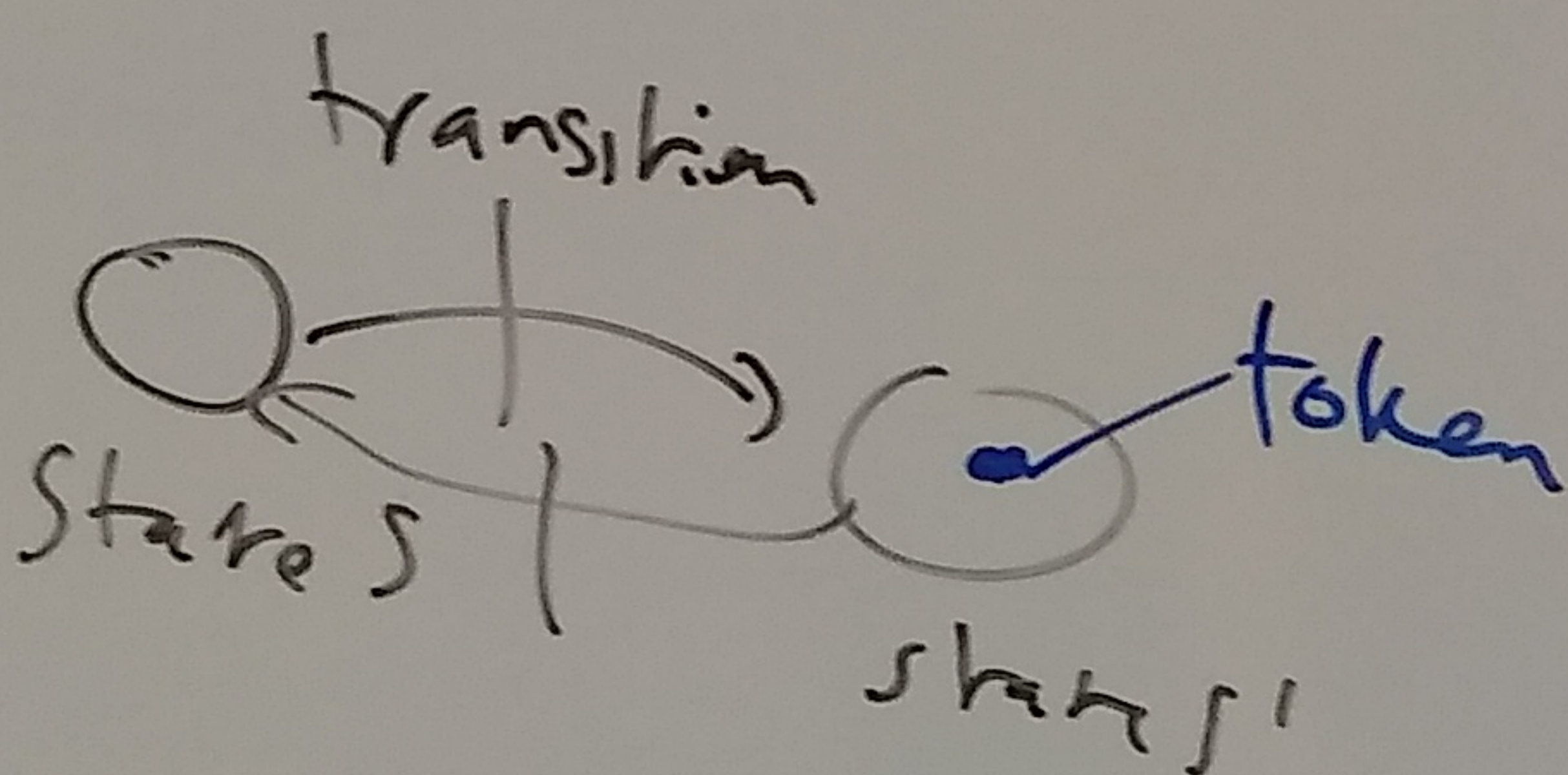
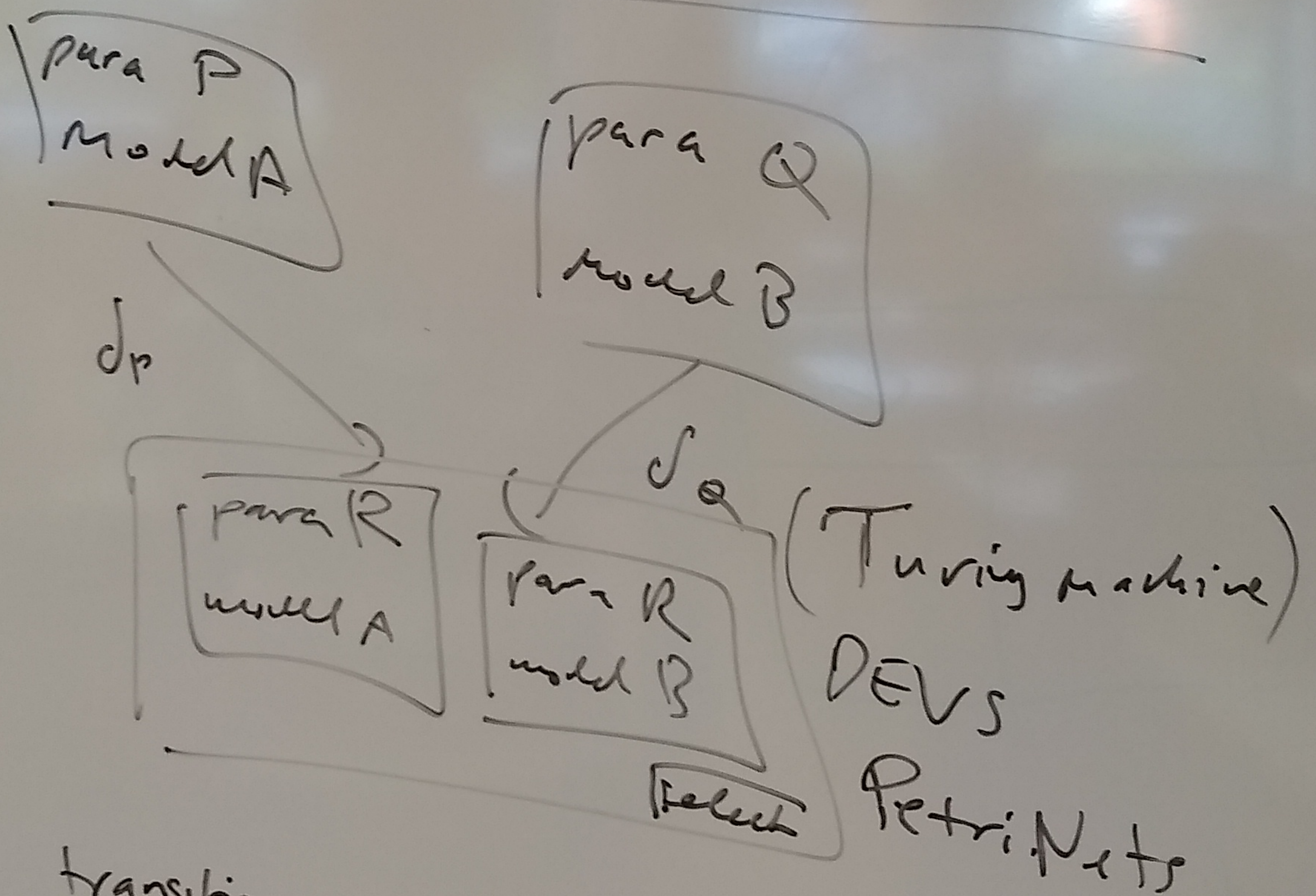
$$\delta_{ext} = \{\}$$

$$\delta_{int} = \forall \text{ agents } : \dots$$

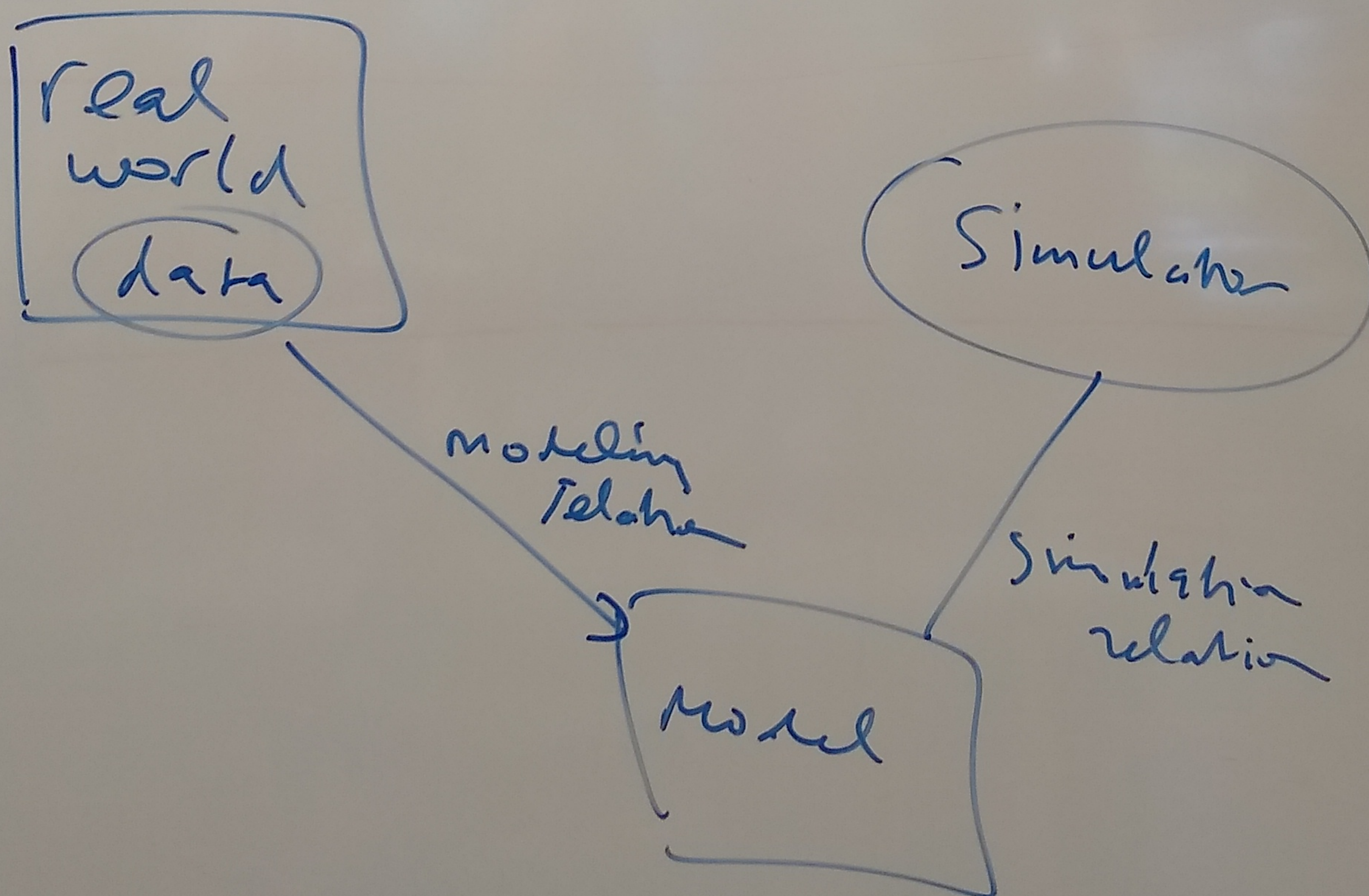
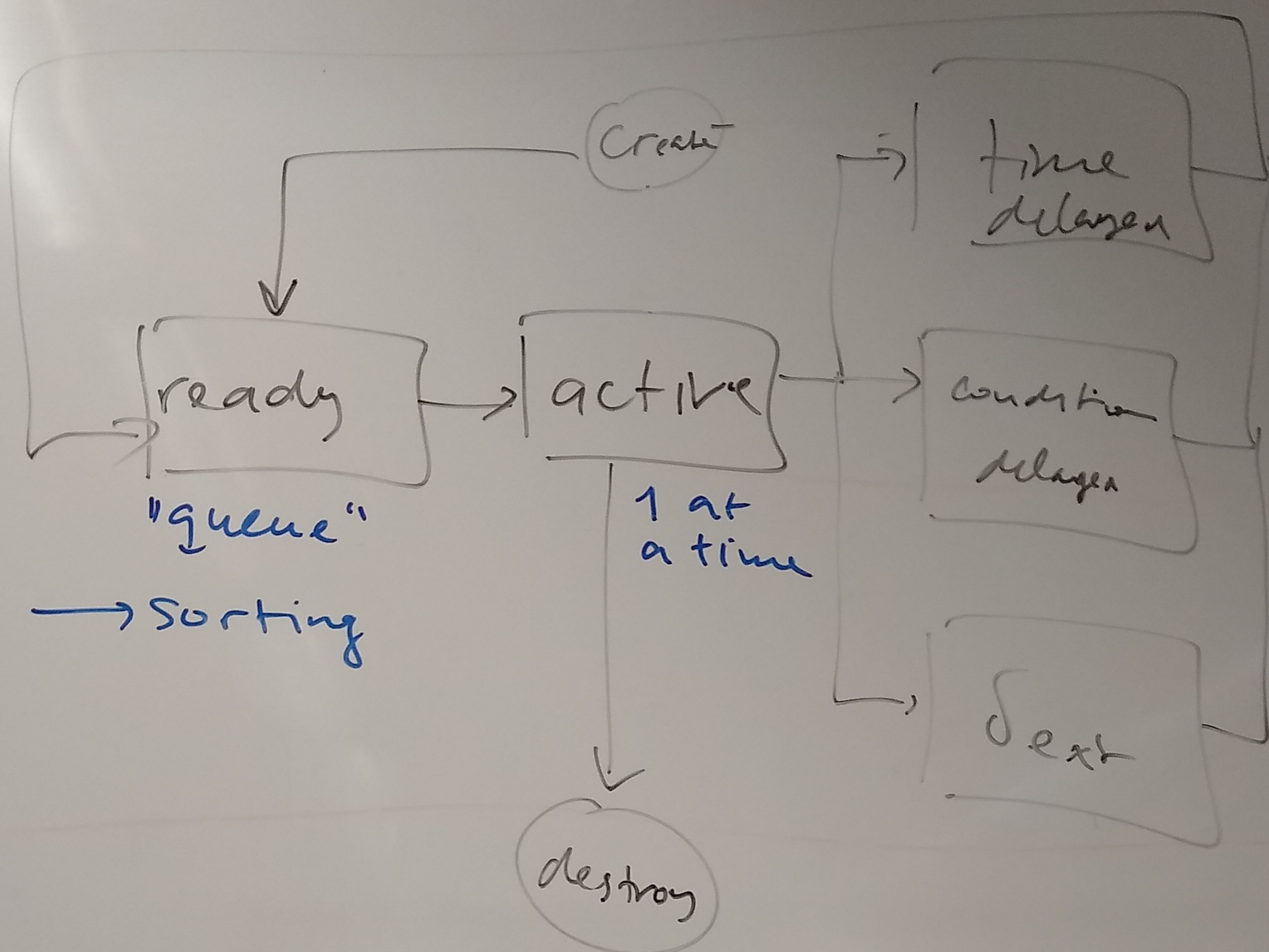


Py for i in range(0,9)

Java for (int i=0; i<=9; i++)
 }



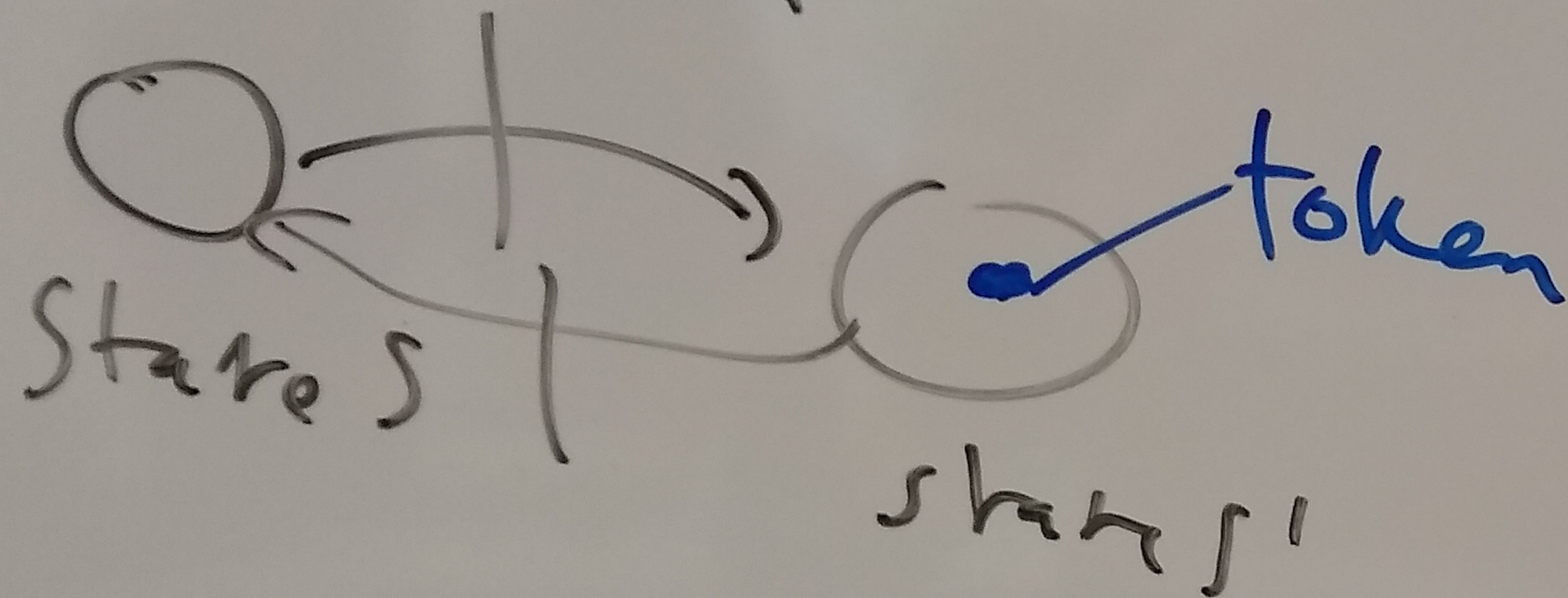
- Colored Petri nets $\rightarrow$ tokens also have state
- Timed Petri nets



Select

Petri Nets

transition



- Colored Petri nets $\rightarrow$ tokens also have state
- timed Petri net

para P
model A

para Q
model B

$\int_P$

para R
model A

$\int_Q$

para R
model B

(Turing machine)

DEVS

Petri Nets

select

transition