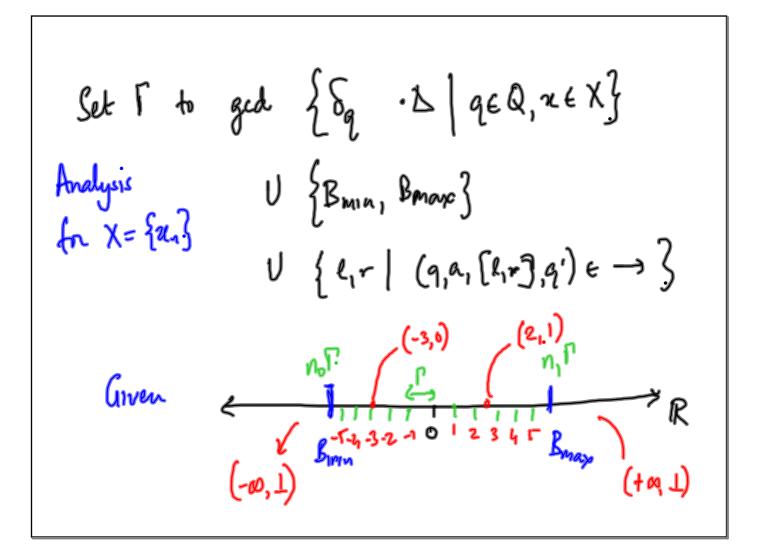
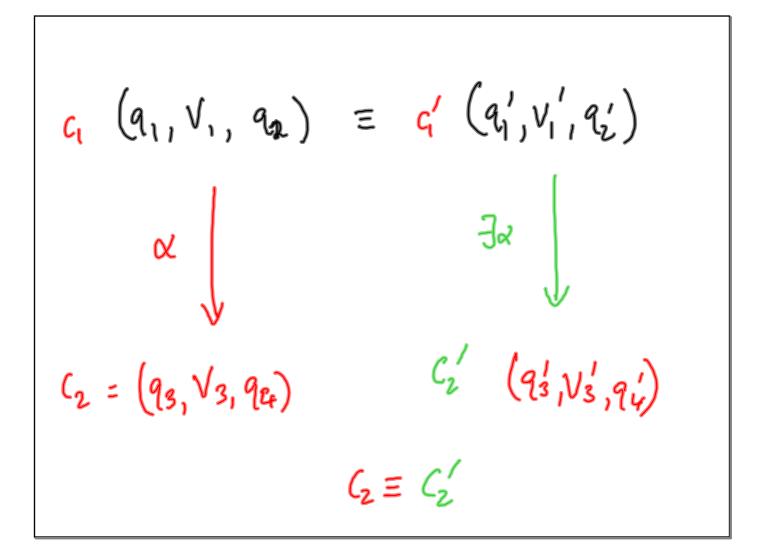


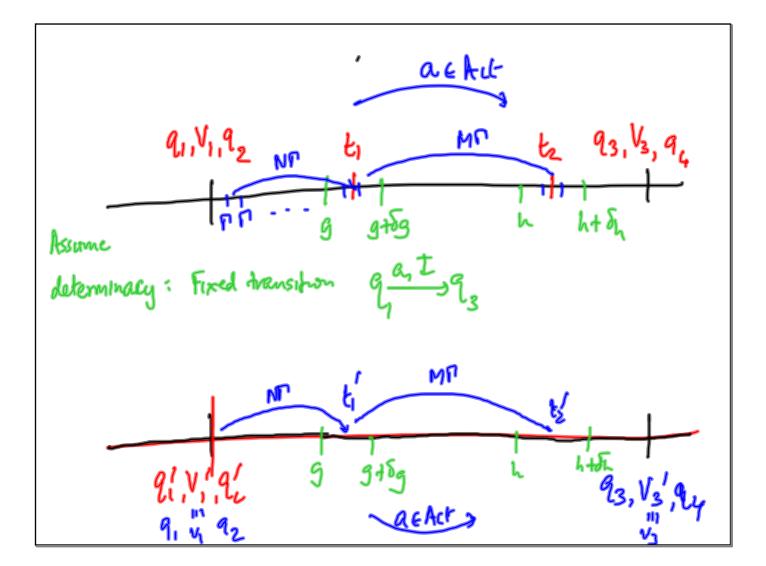
Start at 
$$(q_{1n}, V_{1n}) \rightarrow \text{Initial config} (q_{1n}, V_{n}, q_{n})$$
  
Assume  $\delta q_{1n}$  holds from  $t=0$   
 $(q_{1n}, V_{1n}, q_{1n}) \xrightarrow{\alpha_{2}} (q_{1}, V_{1}, q_{1n}) \xrightarrow{\alpha_{2}} (q_{2}, V_{2}, q_{1}) - ...$   
 $\text{Ist}(A) : \text{state largnage } A \int \text{Regular over } A_{\text{CEV} ETS}$ 

Quotient space of configurations (i.e. space of ration)  
into a finite number of equivalence dasses  
Find 
$$\Gamma$$
 s.t. all interesting values in evolution of to  
are integral multiple of  $\Gamma \in Q$   
Start with  $D = \{g, h, \delta g, \delta h\}$   
A is largest rationed that divides all of these  
 $\int_{\Gamma} \int_{\Omega} \int_{\Omega}$ 



$$V_{1} \equiv V_{2} \quad \text{if hey agree on this abstraction of} \\ \text{the real value of } x \\ \|V_{1}\| - \text{equivalence dass if } V_{1} \\ (q_{1}, V_{1}, q_{2}) \equiv (q_{1}', V_{1}', q_{2}') \quad \text{if } q_{1} = q_{1}' \\ q_{2} = q_{2}' \\ V_{1} \equiv V_{1}' \\ \end{array}$$





for n vanables Set up separete automata for each ri Synchronize them  $(q, \{v_1, v_2, ..., v_n\}, q') \stackrel{\checkmark}{\to} (q, \{v_1', ..., v_n'\}, q')$  $(q, V_i, q') \xrightarrow{\boldsymbol{\kappa}} (q_i, V_i, q')$ for each i

laziness allous analysis of a lager dans Linear hybrid antomata