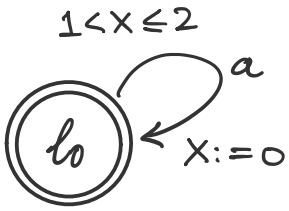
Example exercise 7

Tuesday, 28 April 2020 18.40

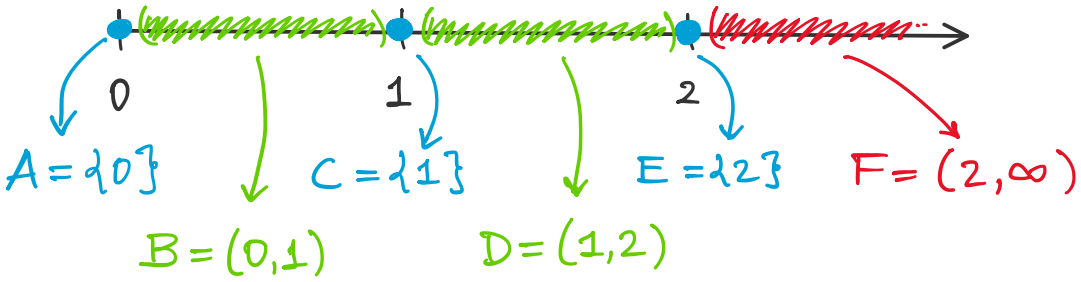
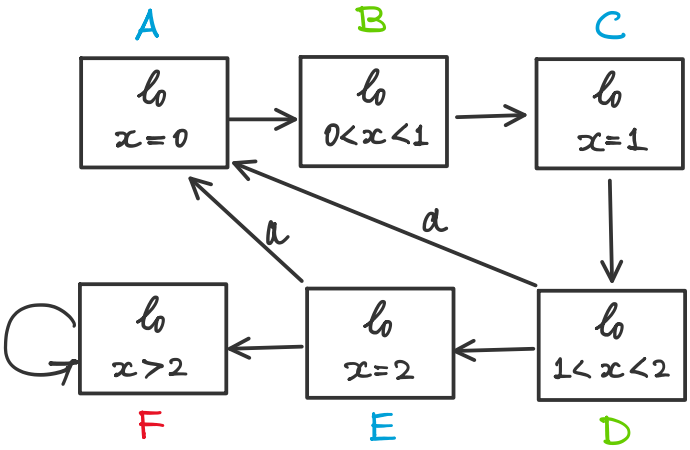
Draw the region graph of the following timed automaton.



Solution:

The timed automaton above has only one clock, x, and the largest constant with which the clock x is ever compared to is $c_x = 2$.

Then the regions we need to consider are the following:



and the region graph is