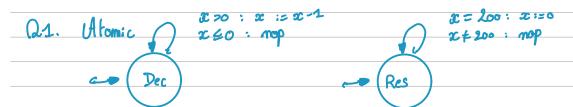
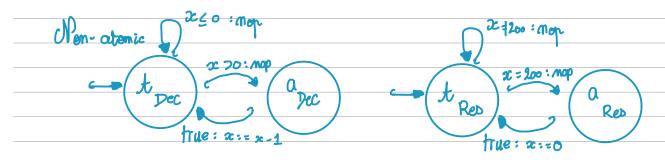
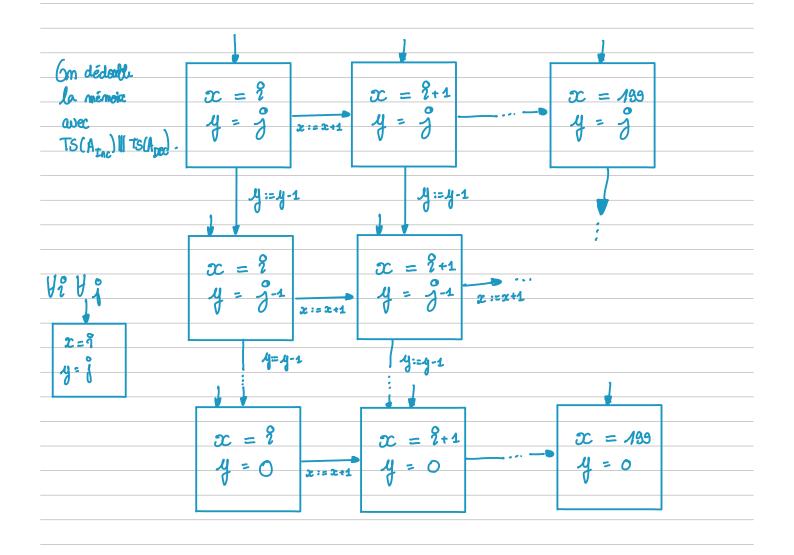
Modelling Concurrent Systems

Exercise 1.

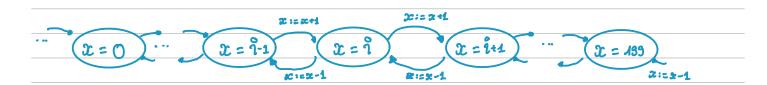




Q2. TS (A Inc) (1) TS (A Dec)



TS (A In A Dec):



Q3. Les effets préservent l'invaniant:

- pour x:=x+1 si x < 200 et $0 \le x \le 100$ alors $0 \le x+1 \le 200$ pour x:=x-1 si x > 0 et $0 \le x \le 100$ alors $0 \le x-1 \le 200$ pour x:=0 si x=100 et $0 \le x \le 100$ alors $0 \le 0 \le 200$
- D'où l'invasiont est invasiont.

Q. 4. x = 200, t_{Imc} , t_{Ros} , t_{Dec} x = 200, t_{Imc} , t_{Ros} , t_{Dec} x = 200, t_{Imc} , t_{Ros} , t_{Dec} x = 0, t_{Imc} , t_{Ros} , t_{Dec}

Exercise 2.

Q1.

