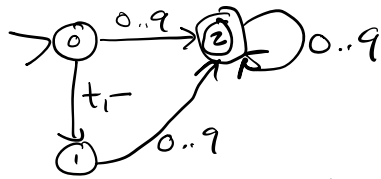
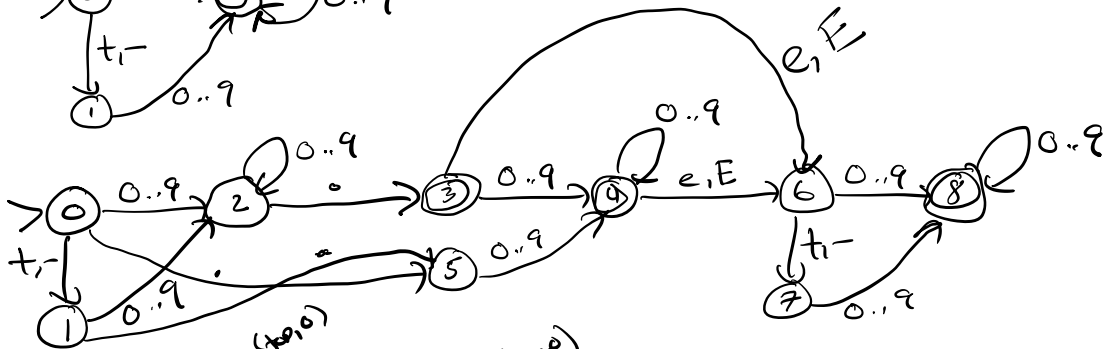


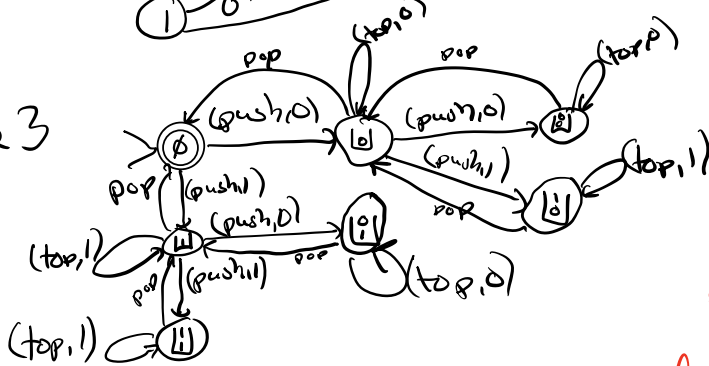
Q1



Q2



Q3

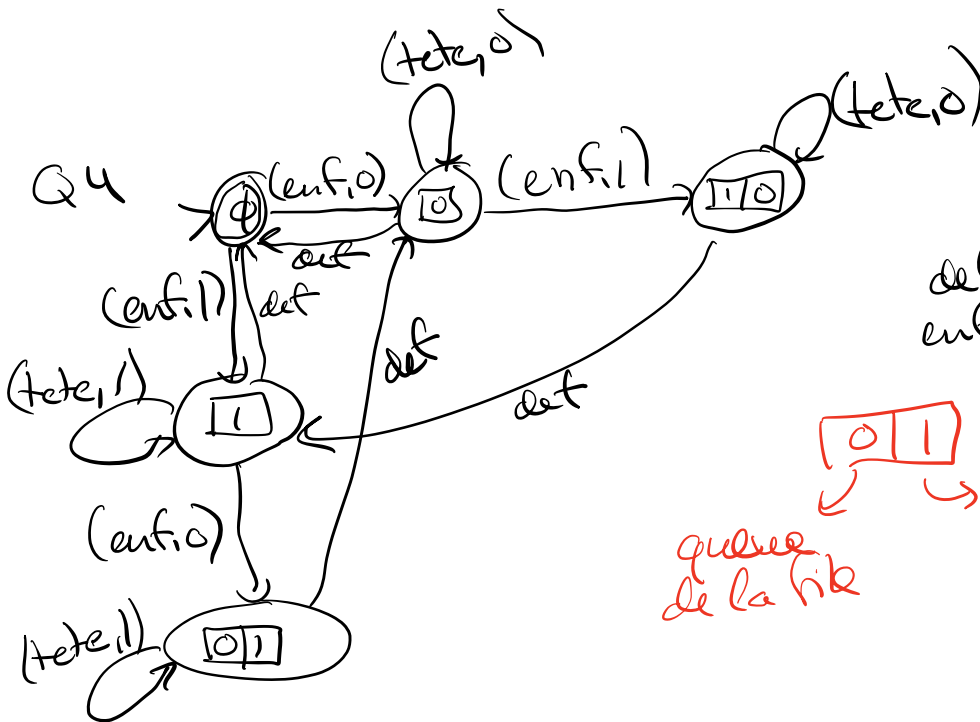


on annote les
etats comme
on veut

ici je represente
le contenu de la
pile

$\begin{bmatrix} 1 \\ 0 \end{bmatrix}$ 1 est
le
sommet
de la pile
0 est en-dessous

Q4

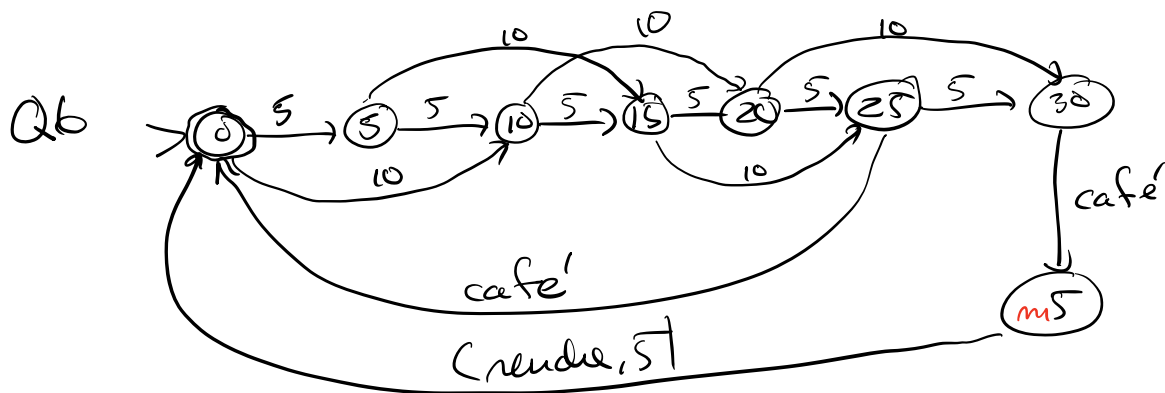


def = de file
enf = en file



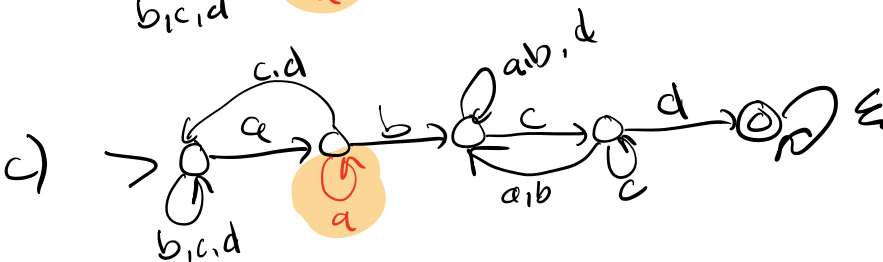
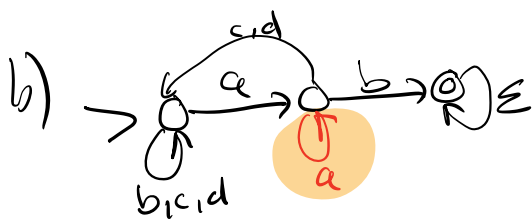
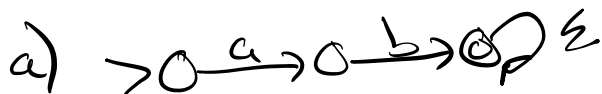
queue
de la file

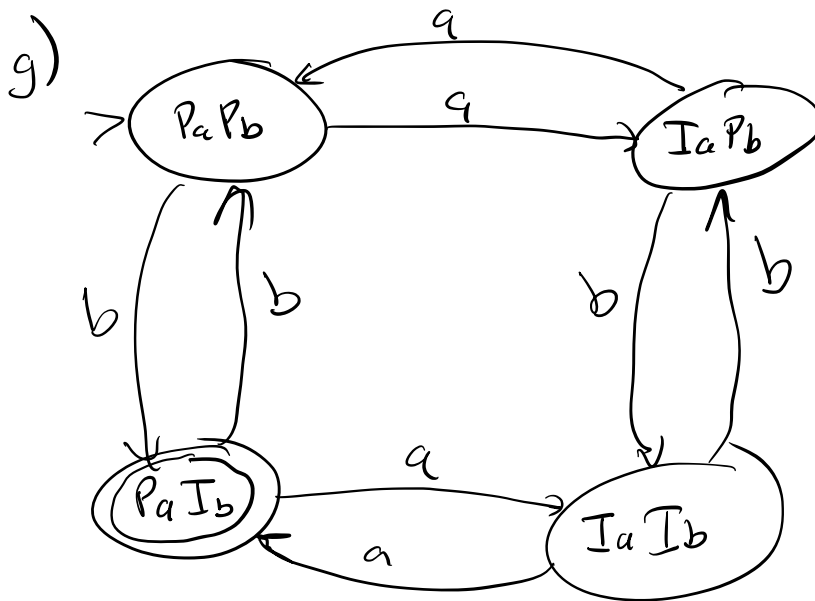
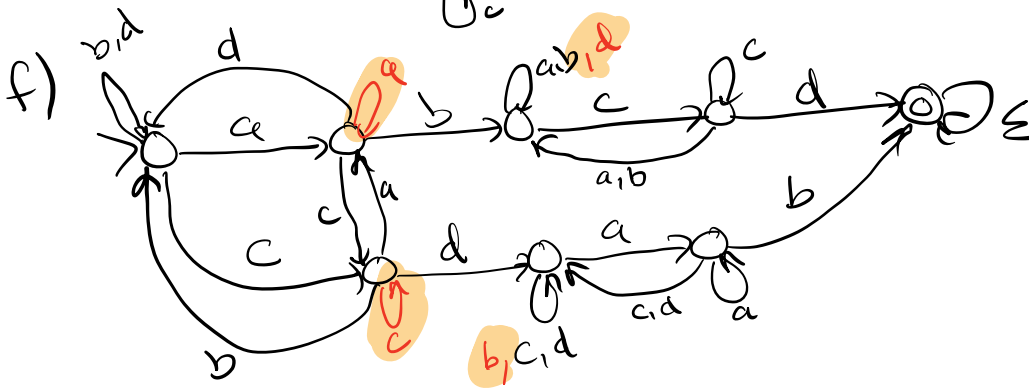
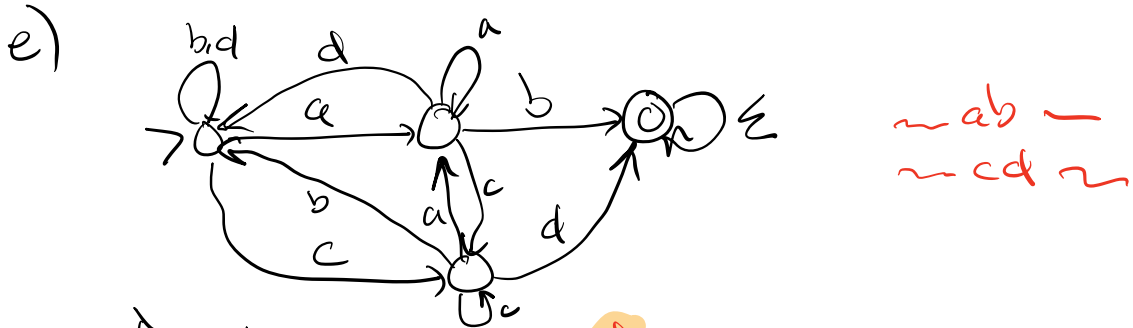
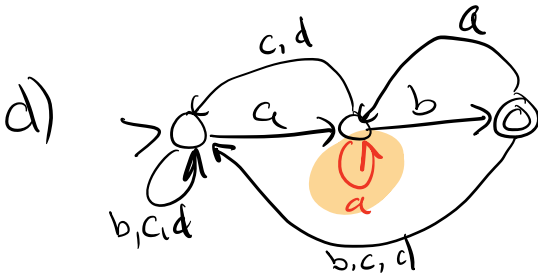
Q5 voir Q5.pdf sur le site web



J'ai simplifié le problème
 café coûte 25cents et seulement
 pièces de 5 et 10 cents
 J'ai ajouté aussi rendre la
 monnaie, pour illustrer un
 peu plus.

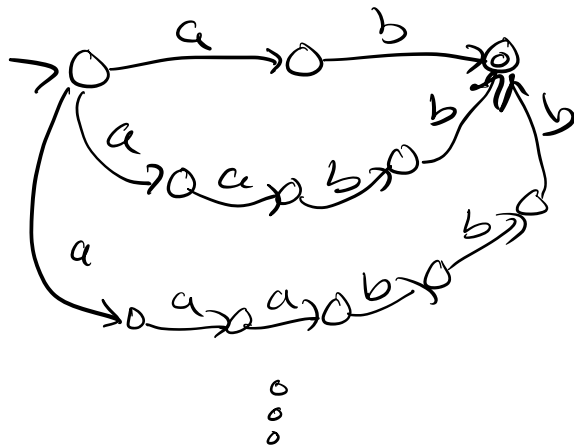
Q7





$P_a = \text{nb pair de } a$
 $I_a = \text{nb impair de } a$
 idem pour P_b et I_b

Q8 Non, c'est impossible, car il faudrait un nombre infini d'états



$a^n b^n$ $n \geq 0$

et ainsi de
suite