

TD1 Aef

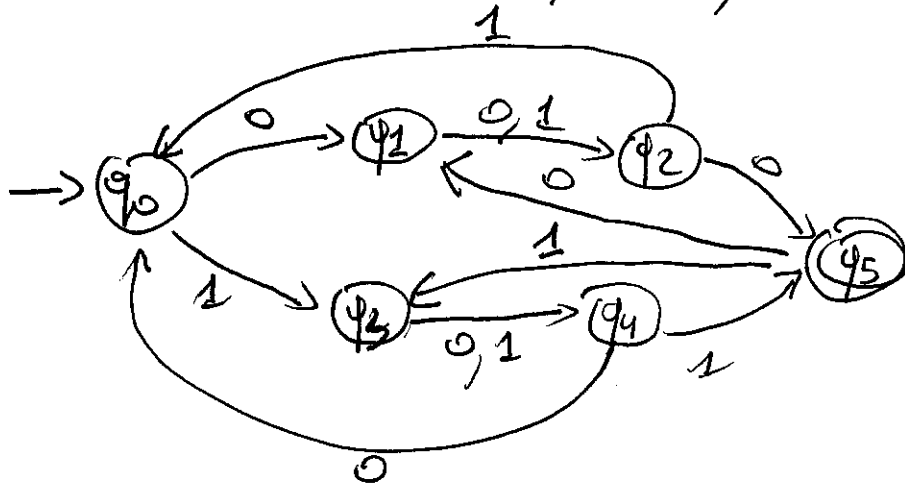
Ex1 1) Palindrome sur 1 seq. de 3 bits

3 car 3 car
 $\overline{111} \overline{111} \dots$

* 000, 010 \Rightarrow 0, 0 out, 0

* 101, 111 \Rightarrow 1, 0 out, 1

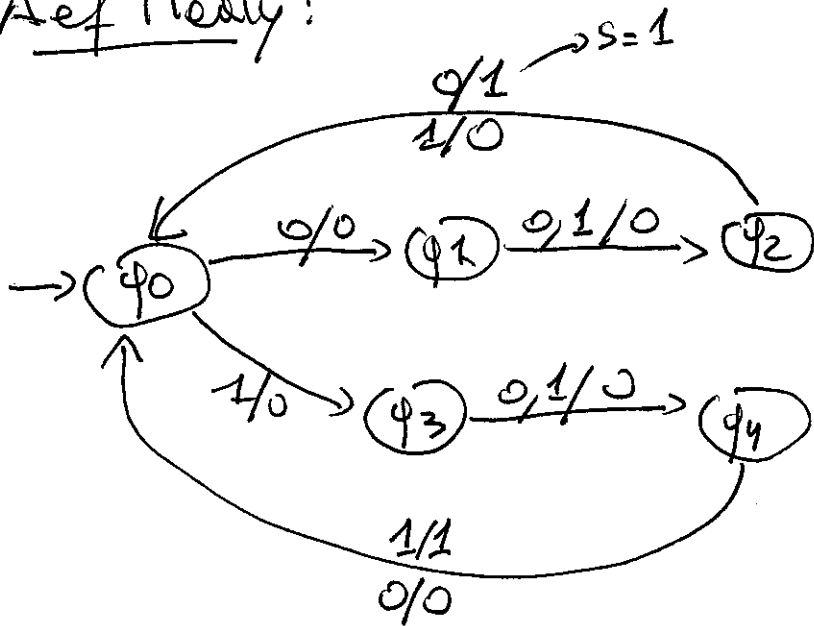
$\Sigma = \begin{pmatrix} 0 & 1 \\ 2 & 5 \end{pmatrix}$



Aef de Moore:

S=1 sur 5

Aef Mealy:

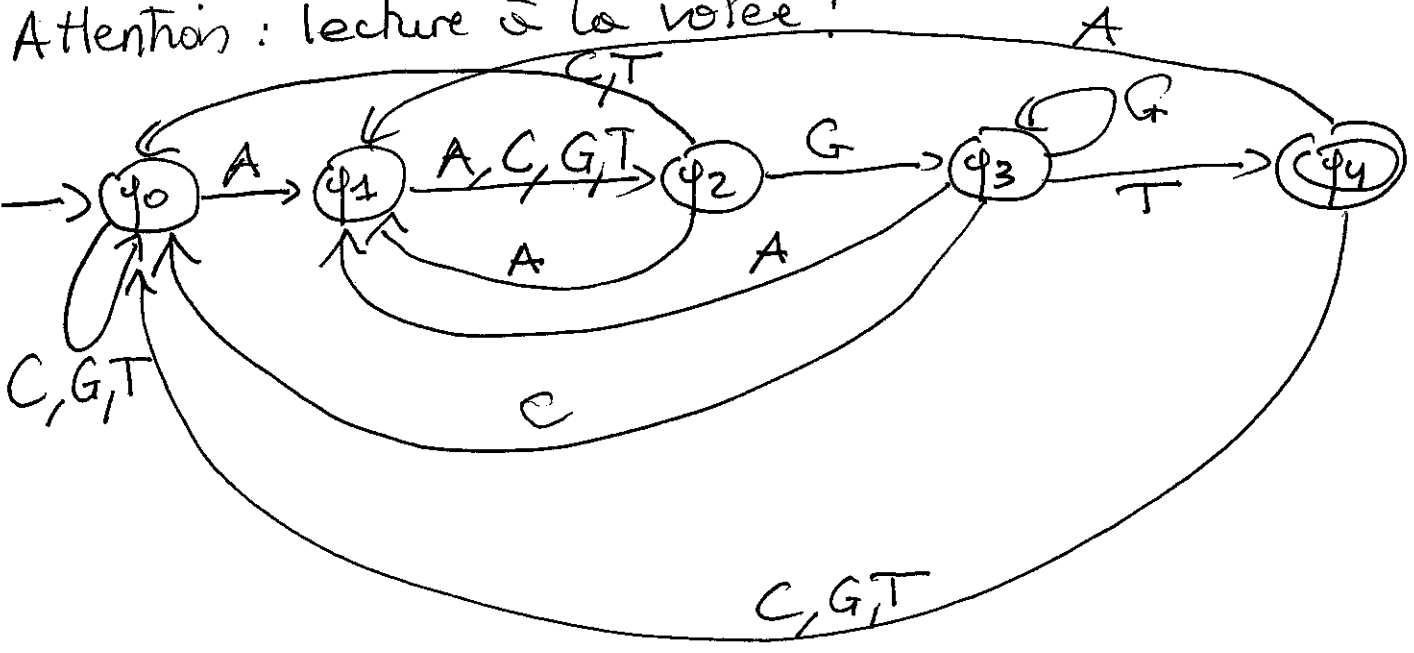


2) seq. ADN : $A^* \underline{G}^n T$ $n \geq 1$ $\Sigma = \{A, C, G, T\}$

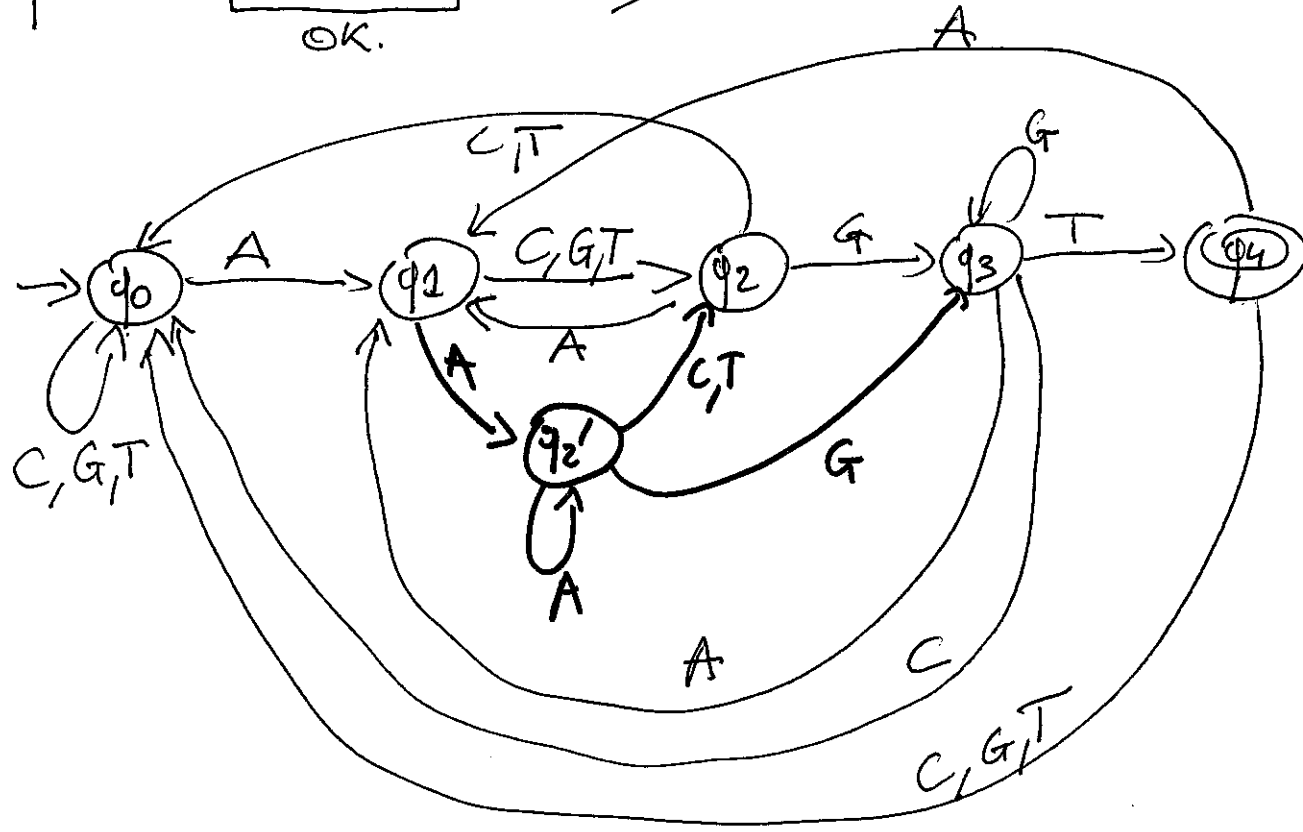
Exemples : $\underline{A} \underline{C} \underline{G} T$, $A \underline{A} \underline{G} \underline{G} T$, $\underline{A} \underline{C} \underline{G} \underline{G} \underline{G} \underline{G} T$, $\underline{A} \underline{G} \underline{G} \underline{G} \underline{G} T$...

1 ^{er} caractère	2 ^e car.	3 ^e car.	4 ^e car et suivant	Dernier car.
A	*	G	G ----	T
	A, C, G, T			

Attention : lecture à la volée !

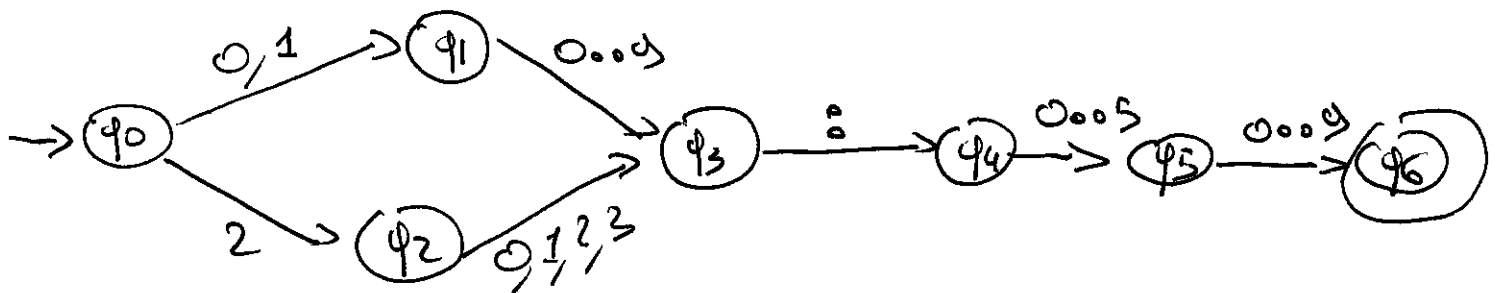


pb: $\underline{A A A G T}$ \Rightarrow $AA \dots AA \begin{matrix} C & G & T \\ G & & \\ T & & \end{matrix}$



3) ^{Heure}~~Date~~ Format $H_1H_2:M_1M_2$

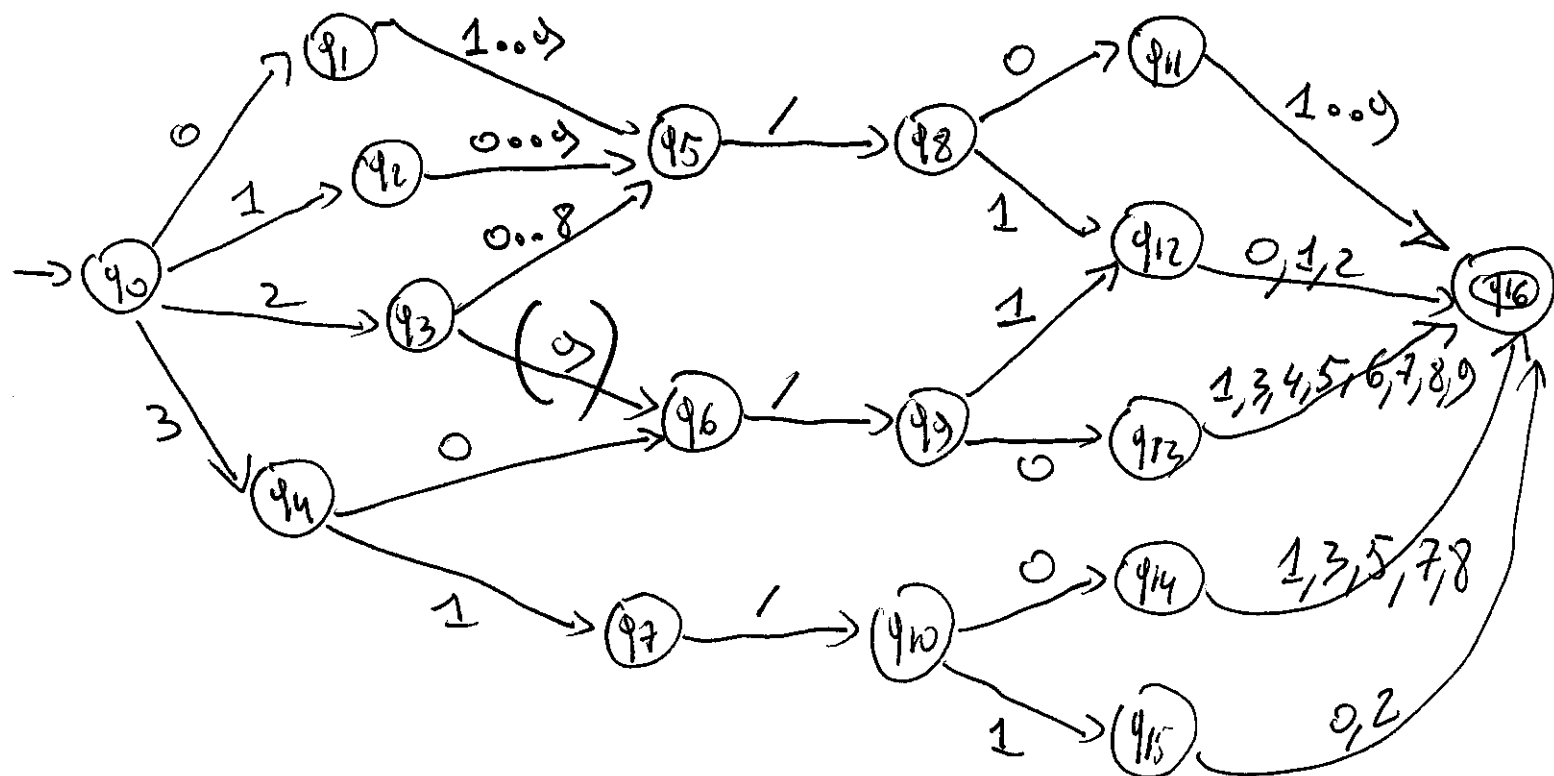
00:00 \rightarrow 23:59 $\quad \Sigma = \{0\dots9, :\}$



4) Date Format J_1J_2/M_1M_2

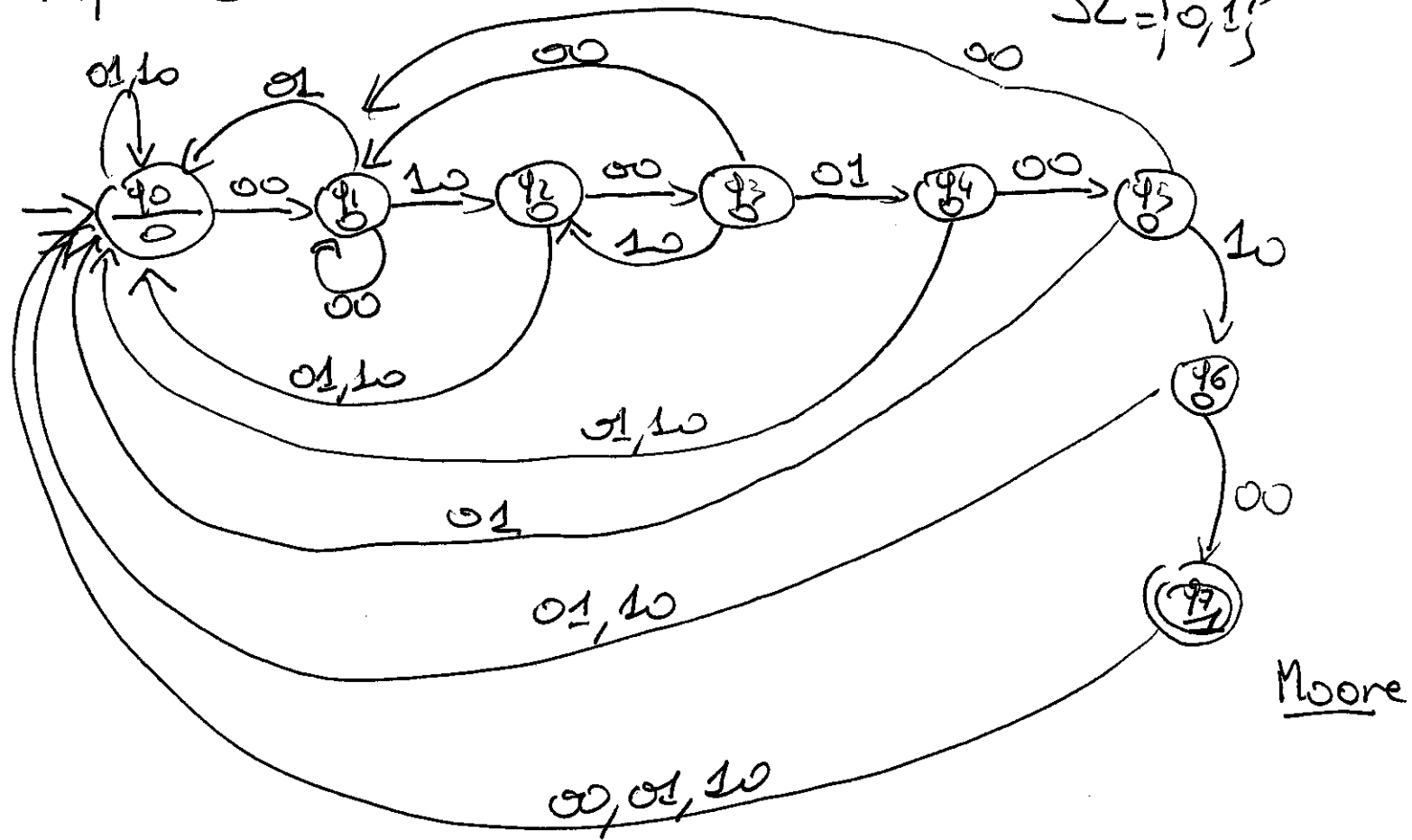
Jour: $0\dots1\rightarrow9$
 $1\dots0\rightarrow9$
 $2\dots0\rightarrow8$
 $2\dots9$
 $3\dots0$
 $3\dots1$

Mois
 $01\dots12$
 tous sauf 02
 Mois à 31



Ex2 : Serrure Electronique

Seq: 00/10/00/01/00/10/00 $\Sigma = \{00, 01, 10\}$
 Reprise de l'entrée suivante en cas d'erreur $\Omega = \{0, 1\}$



Ex3 Syst. de test de reflexes

Attention : un indicateur (E, B, F) ne doit apparaître qu'à partir du moment où la personne appuie sur stop

$\Sigma = \{Go, stop, rst, h\}$

$\Omega = \{ON, T, E, B, F\}$

