

CS3311
Nov 12, 2012
Monday ①

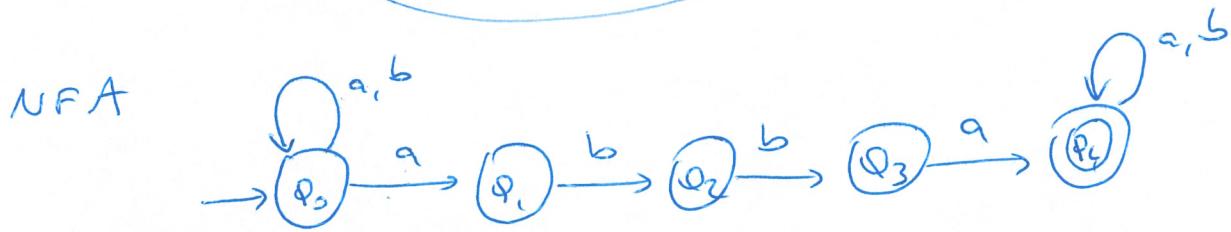
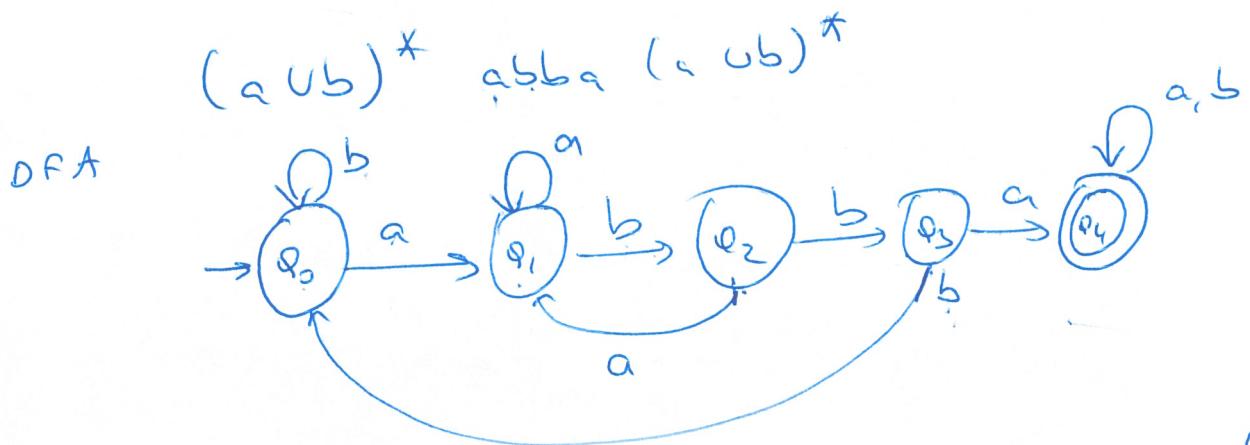
Reminders:

* Exam on Thursday
Forestry GOO 2

* no class on Friday

Last time: NFAs

regular expressions to NFA-As.



a bba

How to convert NFA-As into DFAs.

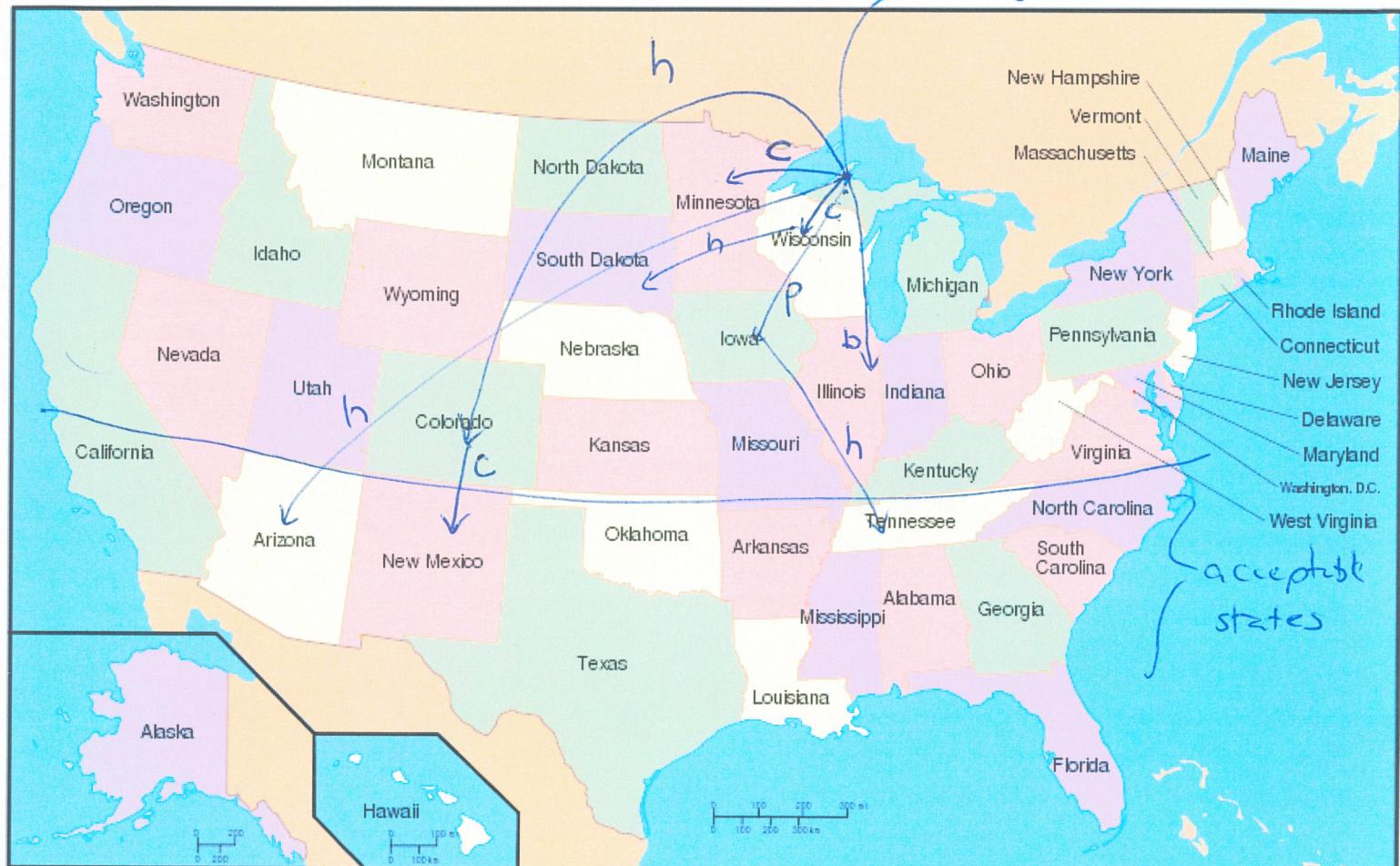
(2)

Aw: C ar
b us
p lane

CP

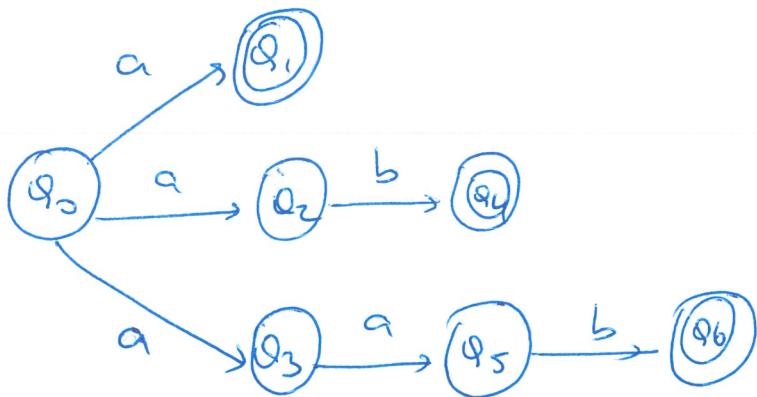
h SD
UP c MN
c WI
h CO c NM

starting state



(3)

example with no 2-transitions



$$L = \{a, ab, aab\}$$

S_0	state	a	b
Q_0		$\{Q_1, Q_2, Q_3\}$	\emptyset
Q_1		\emptyset	\emptyset
Q_2		\emptyset	$\{Q_4\}$
Q_3		$\{Q_5\}$	\emptyset
Q_4		\emptyset	\emptyset
Q_5		\emptyset	$\{Q_6\}$
Q_6		\emptyset	\emptyset

a state

	a	b
$\{Q_0\}$	$\{Q_1, Q_2, Q_3\}$	\emptyset
$\{Q_1, Q_2, Q_3\}$	$\{Q_5\}$	$\{Q_4\}$
$\{Q_4\}$	\emptyset	\emptyset
$\{Q_5\}$	\emptyset	$\{Q_6\}$
$\{Q_6\}$	\emptyset	\emptyset

