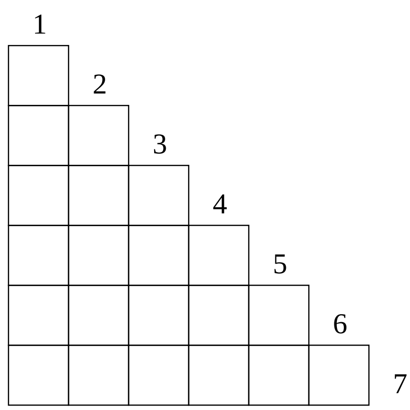
CS 381 **Introduction to Theory of Computing** QUIZ 9
SUMMER 2000 JUNE 14, 2000

Write your name in the space below. Failing to do so may result in not recording the points you earn for this quiz.

Consider the following automaton:

		a	b
	1F	4	7
	2F	2	2
	3F	1	6
	4F	3	6
$\rightarrow$	5	4	4
	6	7	2
	7	6	2

1. (3 points) Minimize this automaton applying the algorithm given in class.



2. (2 points) Give the diagram of the minimized automaton.