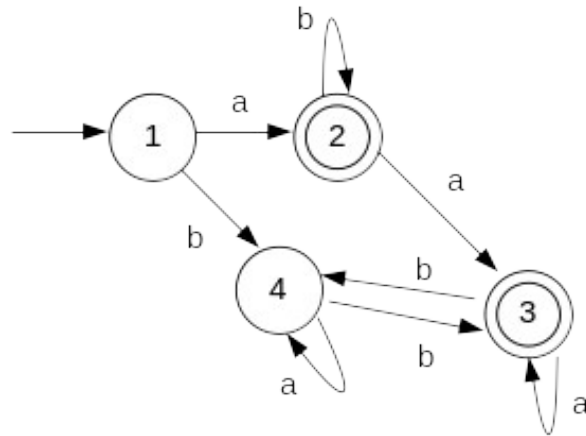


Theory of Computation (I)
Fall – 2017
Quiz # 5
Section E

Marks :10

Time allowed: 10 minutes

Find the minimal DFA (if any) for the following automata by filling the table given below.



2			
3			
4			
	1	2	3

Theory of Computation (I)

Fall – 2017

Quiz # 6

Section E

Marks :10

Time allowed: 10 minutes

Design a single tape TM for the following language

$\Sigma = \{0,1\}$

$L = \{x \mid x \in \Sigma^* \text{ and number of 1's in } x \text{ are divisible by 2 and multiple of 3}\}$