

University of Dhaka Institute of Information Technology (IIT) Bachelor of Science in Software Engineering (BSSE)



Course: SE312 Theory of Computing (Section: B)
Instructors: Dr. Naushin Nower, Professor, IIT, DU
Toukir Ahammed, Lecturer, IIT, DU

Lab 06

1. Consider the following transition table of a DFA:

	0	1
-> q1	q2	ql
q 2	<i>q3</i>	ql
* q3	<i>q3</i>	q2

- a) Give all the regular expressions $R_{ij}(0)$.
- b) Give all the regular expressions $R_{ij}(1)$.
- c) Give all the regular expressions $R_{ij}(2)$.