

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



Course: SE312 Theory of Computing (Section: B)
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Lab 07

1. Consider the following DFA in the figure:

	0	1
-> A	В	A
В	A	C
C	D	В
* D	D	A
\boldsymbol{E}	D	F
F	G	E
G	F	G
Н	G	D

Write a C program to:

- i. Implement the table-filling algorithm to find all the pairs of equivalent states and print the table of distinguishabilities for the above DFA.
- ii. Show the minimum-state equivalent DFA using the table.