

Center of Information Technology and Scientific Computing

Department of Software Engineering

System Programming

Assignment l

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Section-2

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**S0 = START S1 = NORMAL S2 = SLASH**

**S3 = ASTERIX\_START S4 = ASTERIX\_END S5 = DOUBLE\_QUOTE**

**S6 = SINGLE\_QUOTE S7 =**

**Transition Table**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | \* | / | “ | ‘ | /n | \\ | ‘ ‘ |
| S1 | S1 | S2 | S5 | S6 |  |  |  |
| S2 | S3 | S1 | S5 | S6 | S1 | S1 | S1 |
| S3 | S4 | S3 | S3 | S3 | S3 | S3 | S3 |
| S4 | S3 | S5 | S3 | S3 | S3 | S3 | S3 |
| S5 | S5 | S5 | S1 | S5 | S5 | S5 | S5 |
| S6 | S6 | S6 | S6 | S1 | S6 | S6 | S6 |
| S7 |  |  |  |  |  |  |  |

**Deterministic Finite State Automation (DFA)**

