Krishna Patel

Project 1

DFA Definition

M = ({ }, {a, b, …, z, 0, 1, …, 9, . , @ }, δ, , )

* Q = {}
* = {a, b, …, z, 0, 1, …, 9, . , @}
* δ = Q \* → Q is described as:

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | **.** | **@** |  |  |  | **c** | **o** | **m** |
|  |  | - | - | - | - | - | - | - | - | - |
|  |  |  |  |  | - | - | - | - | - | - |
|  |  | - | - | - | - | - | - | - | - | - |
|  |  |  |  | - | - | - | - | - | - | - |
|  | - | - | - | - |  | - | - |  | - | - |
|  | - |  | - | - | - |  | - | - |  | - |
|  | - |  | - | - | - | - |  | - | - |  |
|  |  |  |  | - | - | - | - | - | - | - |

* is the start state
* F =