

## Theory of Automata – CS331

### Quiz-2

22<sup>nd</sup> March 2024

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Construct a minimal DFA over  $\Sigma = \{c, d\}$  from the following state transition table where i indicates initial state and \* indicates final states.

| States | Input Symbols |   |
|--------|---------------|---|
|        | c             | d |
| A (i)  | F             | E |
| B      | C             | D |
| C (*)  | E             | F |
| D      | A             | B |
| E      | A             | C |
| F      | B             | A |