image-1 (00-00-04)

Minimization of DFA

image-2 (00-00-07)

Minimization of DFA

image-3 (00-00-10)

Minimization of DFA

image-4 (00-00-13)

Minimization of DFA

image-5 (00-00-16)

Minimization of DFA

image-6 (00-00-19)

Minimization of DFA

image-7 (00-00-22)

Minimization of DFA

Minimization of DFA is required to obtain the minimal version of any DFA which consists of the minimum number of states possible

image-8 (00-00-25)

Minimization of DFA

Minimization of DFA is required to obtain the minimal version of any DFA which consists of the minimum number of states possible

image-9 (00-00-28)

Minimization of DFA

Minimization of DFA is required to obtain the minimal version of any DFA which consists of the minimum number of states possible

image-10 (00-00-31)

Minimization of DFA

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image-11 (00-00-34)

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image-12 (00-00-37)

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image-13 (00-00-40)

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image-14 (00-00-43)

Minimization of DFA

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image-15 (00-00-46)

Minimization of DFA

Minimization of DFA is required to obtain the minimal version of any DFA which consists of the minimum number of states possible

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image-16 (00-00-49)

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DFA 5 <

image-17 (00-00-52)

Minimization of DFA

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DFA 5 states

image-18 (00-00-55)

Minimization of DFA

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DFA 5 states 4 St

image-19 (00-00-58)

Minimization of DFA

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DFA 5 states 4 states

image-20 (00-01-01)

Minimization of DFA

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DFA 5 states 4 states

image-21 (00-01-04)

Minimization of DFA

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DFA 5 states 4 states

image-22 (00-01-07)

Minimization of DFA

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DFA 5 states 4 states

image-23 (00-01-10)

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DFA 5 states 4 states

image-24 (00-01-13)

Minimization of DFA

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DFA 5 states 4 states

image-25 (00-01-16)

Minimization of DFA

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DFA 5 states 4 states

image-26 (00-01-19)

Minimization of DFA

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DFA 5 states 4 states

image-27 (00-01-22)

Minimization of DFA

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DFA 5 states 4 states

image-28 (00-01-25)

Minimization of DFA

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DFA 5 states 4 states

image-29 (00-01-28)

Minimization of DFA

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DFA 5 states 4 States

image-30 (00-01-31)

Minimization of DFA

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DFA 5 states 4 states

image-31 (00-01-34)

Minimization of DFA

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DFA 5 states 4 states

image-32 (00-01-37)

Minimization of DFA

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DFA 5 states 4 states

image-33 (00-01-40)

Minimization of DFA

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DFA 5 states 4 states

image-34 (00-01-43)

Minimization of DFA

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DFA 5 states 4 states

image-35 (00-01-46)

Minimization of DFA

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DFA 5 states 4 states

image-36 (00-01-49)

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DFA 5 states 4 states

image-37 (00-01-52)

Minimization of DFA

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DFA 5 states 4 states

image-38 (00-01-55)

Minimization of DFA

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DFA 5 states 4 states

image-39 (00-01-58)

Minimization of DFA

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DFA 5 states 4 states

image-40 (00-02-01)

Minimization of DFA

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DFA 5 states 4 States

image-41 (00-02-04)

Minimization of DFA

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DFA 5 states 4 states

image-42 (00-02-07)

Minimization of DFA

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DFA 5 states 4 states

image-43 (00-02-10)

Minimization of DFA

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DFA 5 states 4 states

Minimization of DFA

Minimization of DFA is required to obtain the minimal version of any DFA which consists of the minimum number of states possible

DFA 5 states 4 states

image-45 (00-02-16)

Minimization of DFA

Minimization of DFA is required to obtain the minimal version of any DFA which consists of the minimum number of states possible

DFA 5 states 4 States

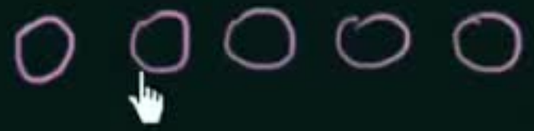
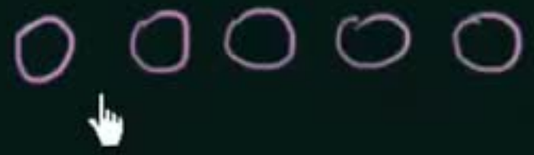


image-46 (00-02-19)

Minimization of DFA

Minimization of DFA is required to obtain the minimal version of any DFA which consists of the minimum number of states possible

DFA 5 states 4 states



Minimization of DFA

Minimization of DFA is required to obtain the minimal version of any DFA which consists of the minimum number of states possible

DFA 5 states 4 states

image-48 (00-02-25)

Minimization of DFA

Minimization of DFA is required to obtain the minimal version of any DFA which consists of the minimum number of states possible

DFA 5 states 4 states

image-49 (00-02-28)

Minimization of DFA

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DFA 5 states 4 states

Minimization of DFA

Minimization of DFA is required to obtain the minimal version of any DFA which consists of the minimum number of states possible

DFA 5 states 4 states

image-51 (00-02-34)

Minimization of DFA

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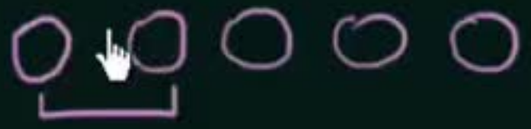
DFA 5 states 4 states



Minimization of DFA

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DFA 5 states 4 states

Minimization of DFA

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DFA 5 states 4 states

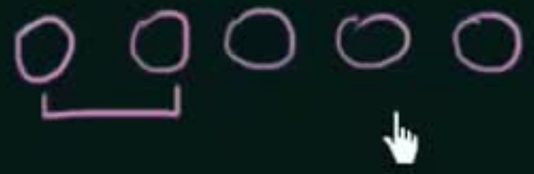
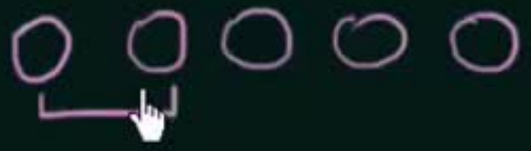


image-54 (00-02-43)

Minimization of DFA

Minimization of DFA is required to obtain the minimal version of any DFA which consists of the minimum number of states possible

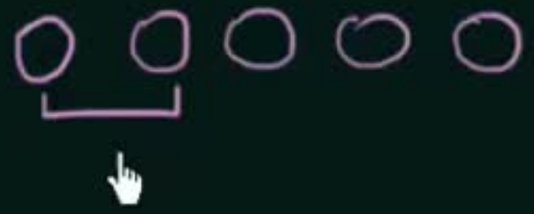
DFA 5 states 4 states



Minimization of DFA

Minimization of DFA is required to obtain the minimal version of any DFA which consists of the minimum number of states possible

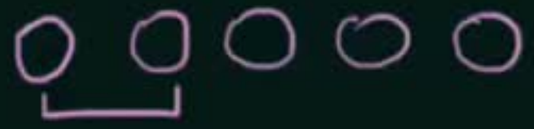
DFA 5 states 4 states



Minimization of DFA

Minimization of DFA is required to obtain the minimal version of any DFA which consists of the minimum number of states possible

DFA 5 states 4 states



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DFA 5 states 4 states

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DFA 5 states 4 states

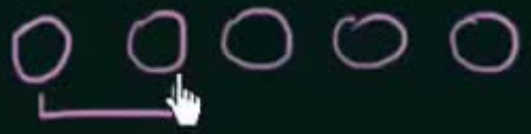

image-59 (00-02-58)

Minimization of DFA

Minimization of DFA is required to obtain the minimal version of any DFA which consists of the minimum number of states possible

DFA 5 states 4 States

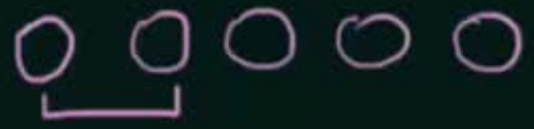

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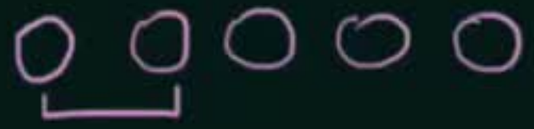
image-60 (00-03-01)

Minimization of DFA

Minimization of DFA is required to obtain the minimal version of any DFA which consists of the minimum number of states possible

DFA 5 states 4 States



Equivalen

image-61 (00-03-04)

Minimization of DFA

Minimization of DFA is required to obtain the minimal version of any DFA which consists of the minimum number of states possible

DFA 5 states 4 states

Equivalent

image-62 (00-03-07)

Minimization of DFA

Minimization of DFA is required to obtain the minimal version of any DFA which consists of the minimum number of states possible

DFA 5 states 4 states

Equivalent

Two states 'A' and 'B' are said to be equivalent if

$\delta(A, X) \rightarrow F$ and $\delta(B, X) \rightarrow F$

OR

$\delta(A, X) \mapsto F$ and $\delta(B, X) \mapsto F$

where 'X' is any input String

image-63 (00-03-10)

Minimization of DFA

Minimization of DFA is required to obtain the minimal version of any DFA which consists of the minimum number of states possible

DFA 5 states 4 states

Equivalent

Two states 'A' and 'B' are said to be equivalent if

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where 'X' is any input String

image-64 (00-03-13)

Minimization of DFA

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DFA 5 states 4 States

Equivalent

Two states 'A' and 'B' are said to be equivalent if

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where 'X' is any input String

image-65 (00-03-16)

Minimization of DFA

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DFA 5 states 4 States

Equivalent

Two states 'A' and 'B' are said to be equivalent if

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where 'X' is any input String

image-66 (00-03-19)

Minimization of DFA

Minimization of DFA is required to obtain the minimal version of any DFA which consists of the minimum number of states possible

DFA 5 states 4 States

Equivalent

Two states 'A' and 'B' are said to be equivalent if

$\delta(A, X) \rightarrow F$ and $\delta(B, X) \rightarrow F$

OR

$\delta(A, X) \nrightarrow F$ and $\delta(B, X) \nrightarrow F$

where 'X' is any input String

image-67 (00-03-22)

Minimization of DFA

Minimization of DFA is required to obtain the minimal version of any DFA which consists of the minimum number of states possible

DFA 5 states 4 States

Equivalent

Two states 'A' and 'B' are said to be equivalent if

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OR

$\delta(A, X) \mapsto F$ and $\delta(B, X) \mapsto F$

where 'X' is any input String

image-68 (00-03-25)

Minimization of DFA

Minimization of DFA is required to obtain the minimal version of any DFA which consists of the minimum number of states possible

DFA 5 states 4 States

Equivalent

Two states 'A' and 'B' are said to be equivalent if

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OR

$\delta(A, X) \nrightarrow F$ and $\delta(B, X) \nrightarrow F$

where 'X' is any input String

image-69 (00-03-28)

Minimization of DFA

Minimization of DFA is required to obtain the minimal version of any DFA which consists of the minimum number of states possible

DFA 5 states 4 states

Equivalent

Two states 'A' and 'B' are said to be equivalent if

$\delta(A, X) \rightarrow F$ and $\delta(B, X) \rightarrow F$

OR

$\delta(A, X) \nrightarrow F$ and $\delta(B, X) \nrightarrow F$

where 'X' is any input String

image-70 (00-03-31)

Minimization of DFA

Minimization of DFA is required to obtain the minimal version of any DFA which consists of the minimum number of states possible

DFA 5 states 4 states

Equivalent

Two states 'A' and 'B' are said to be equivalent if

$\delta(A, X) \rightarrow F$ and $\delta(B, X) \rightarrow F$

OR

$\delta(A, X) \nrightarrow F$ and $\delta(B, X) \nrightarrow F$

where 'X' is any input String

image-71 (00-03-34)

Minimization of DFA

Minimization of DFA is required to obtain the minimal version of any DFA which consists of the minimum number of states possible

DFA 5 states 4 States

Equivalent

Two states 'A' and 'B' are said to be equivalent if

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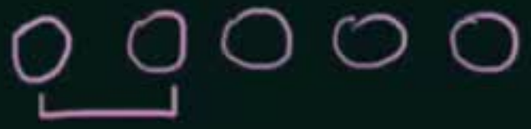
where 'X' is any input String

image-72 (00-03-37)

Minimization of DFA

Minimization of DFA is required to obtain the minimal version of any DFA which consists of the minimum number of states possible

DFA 5 states 4 States



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OR

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where 'X' is any input String

image-73 (00-03-40)

Minimization of DFA

Minimization of DFA is required to obtain the minimal version of any DFA which consists of the minimum number of states possible

DFA 5 states 4 states

Equivalent

Two states 'A' and 'B' are said to be equivalent if

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OR

$\delta(A, X) \not\rightarrow F$ and $\delta(B, X) \not\rightarrow F$

where 'X' is any input String

image-74 (00-03-43)

Minimization of DFA

Minimization of DFA is required to obtain the minimal version of any DFA which consists of the minimum number of states possible

DFA 5 states 4 states

Equivalent

Two states 'A' and 'B' are said to be equivalent if

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OR

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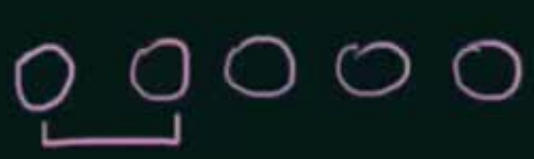
where 'X' is any input String

image-75 (00-03-46)

Minimization of DFA

Minimization of DFA is required to obtain the minimal version of any DFA which consists of the minimum number of states possible

DFA 5 states 4 states



Equivalent

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OR

$\delta(A, X) \nrightarrow F$ and $\delta(B, X) \nrightarrow F$

where 'X' is any input String

image-76 (00-03-49)

Minimization of DFA

Minimization of DFA is required to obtain the minimal version of any DFA which consists of the minimum number of states possible

DFA 5 states 4 States

Equivalent

Two states 'A' and 'B' are said to be equivalent if

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OR

$\delta(A, X) \nrightarrow F$ and $\delta(B, X) \nrightarrow F$

where 'X' is any input String

image-77 (00-03-52)

Minimization of DFA

Minimization of DFA is required to obtain the minimal version of any DFA which consists of the minimum number of states possible

DFA 5 states 4 States

Equivalent

Two states 'A' and 'B' are said to be equivalent if

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OR

$\delta(A, X) \not\rightarrow F$ and $\delta(B, X) \not\rightarrow F$

where 'X' is any input String

image-78 (00-03-55)

Minimization of DFA

Minimization of DFA is required to obtain the minimal version of any DFA which consists of the minimum number of states possible

DFA 5 states 4 States

Equivalent

Two states 'A' and 'B' are said to be equivalent if

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where 'X' is any input String

image-79 (00-03-58)

Minimization of DFA

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DFA 5 states 4 States

Equivalent

Two states 'A' and 'B' are said to be equivalent if

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where 'X' is any input String

image-80 (00-04-01)

Minimization of DFA

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DFA 5 states 4 states

Equivalent

Two states 'A' and 'B' are said to be equivalent if

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where 'X' is any input String

image-81 (00-04-04)

Minimization of DFA

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DFA 5 states 4 States

Equivalent

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OR

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where 'X' is any input String

image-82 (00-04-07)

Minimization of DFA

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DFA 5 states 4 States

Equivalent

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OR

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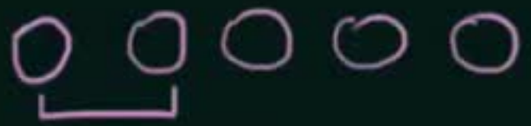
where 'X' is any input String

image-83 (00-04-10)

DFA 5 states 4 States



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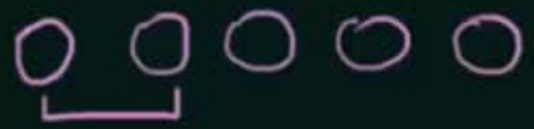
where 'X' is any input String



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OR

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where 'X' is any input String

If |X| = 0, then A and B are said to be 0 equivalent

If |X| = 1, then A and B are said to be 1 equivalent

If |X| = 2, then A and B are said to be 2 equivalent

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Equivalent

Two states 'A' and 'B' are said to be equivalent if

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OR

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where 'X' is any input String

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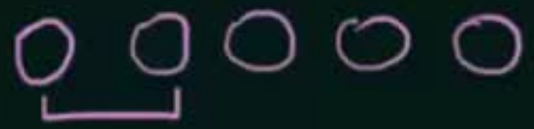

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