# DFA -Example

Construct a DFA that accepts any strings over {a,b} that does not contain the string aabb in it.

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Try to design a simpler problem

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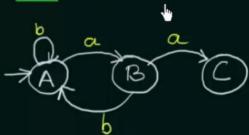
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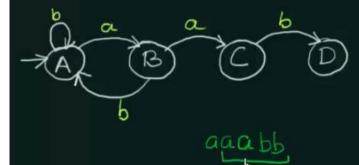
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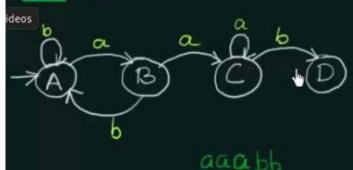
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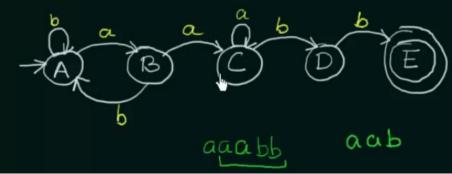
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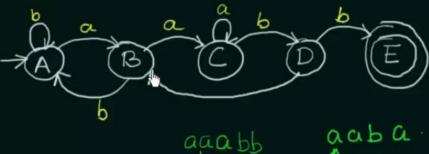
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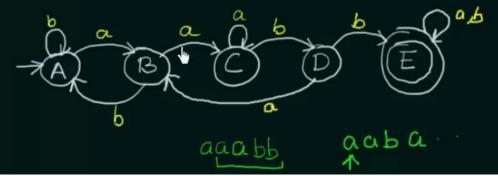
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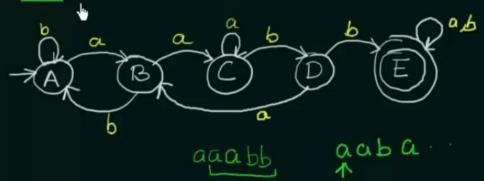
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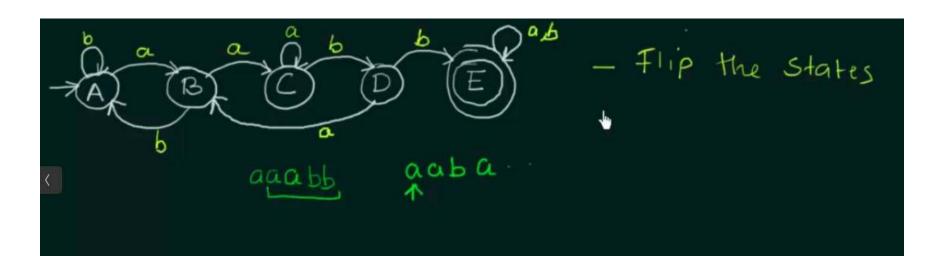
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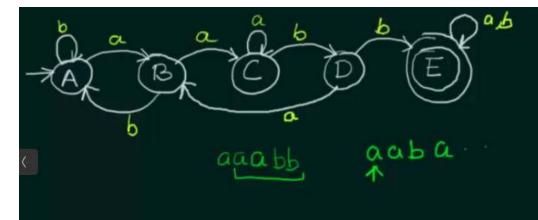


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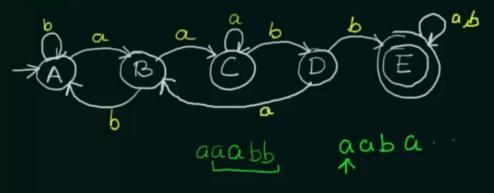
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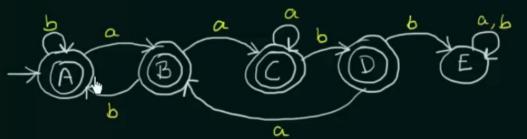






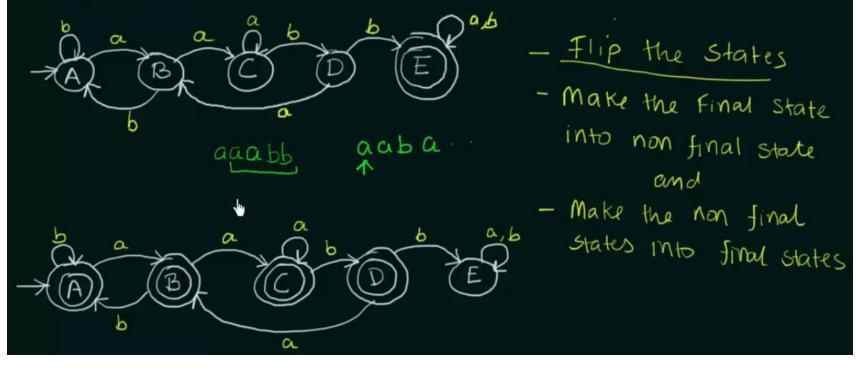
- Flip the States
- Make the Final State , into non final state , and
- Make the non final States into final states





- Flip the States
  - Make the Final State into non final state and
  - Make the non final States into final states

## Try to design a simpler problem



• Questions????