

L-16 Construction of Moore machine- 2

Construction of Moore Machine - Examples (Part-1)

Construct a Moore Machine that counts the occurrences of the sequence 'abb' in any input strings over {a,b}



Construction of Moore Machine - Examples (Part-1)

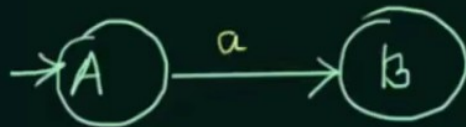
Construct a Moore Machine that counts the occurrences of the sequence 'abb' in any input strings over {a,b}

$$\Sigma = \{a, b\} \quad \Delta = \{0, 1\}$$

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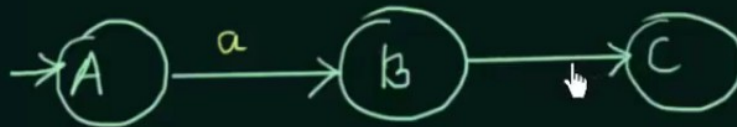
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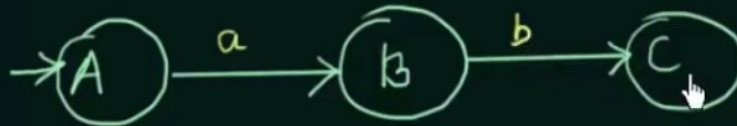
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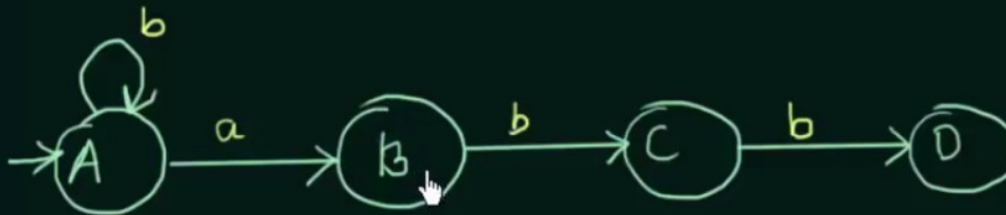
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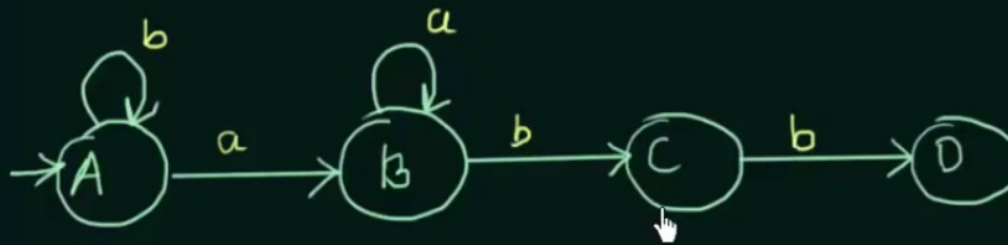
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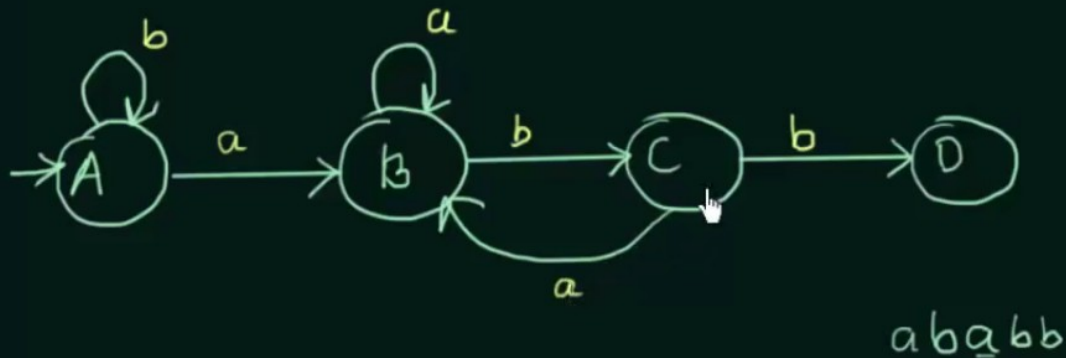
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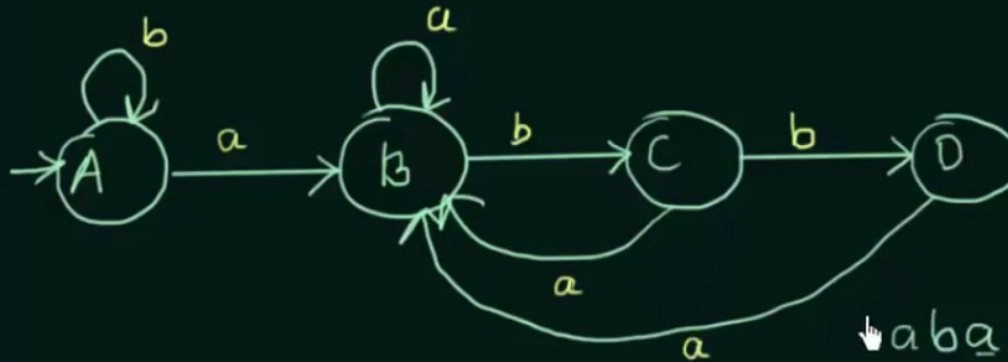
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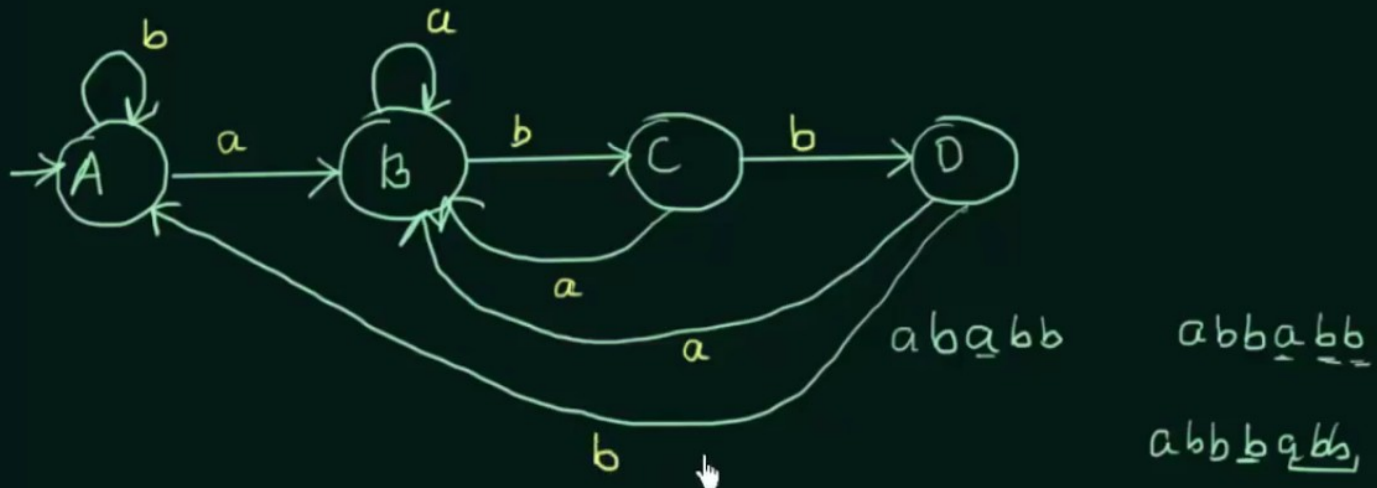
ababb

abbabb

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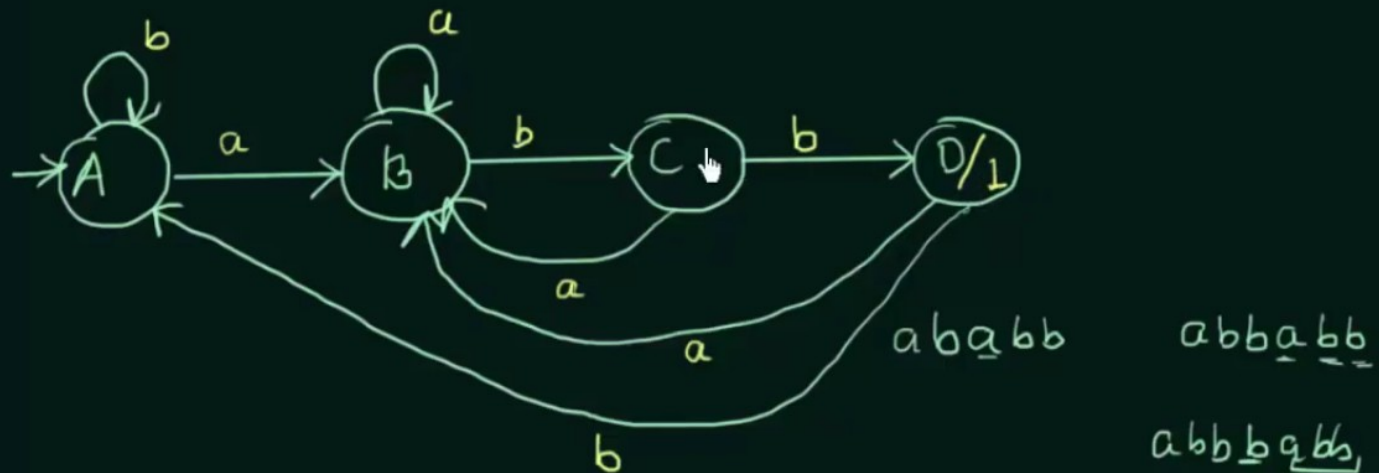
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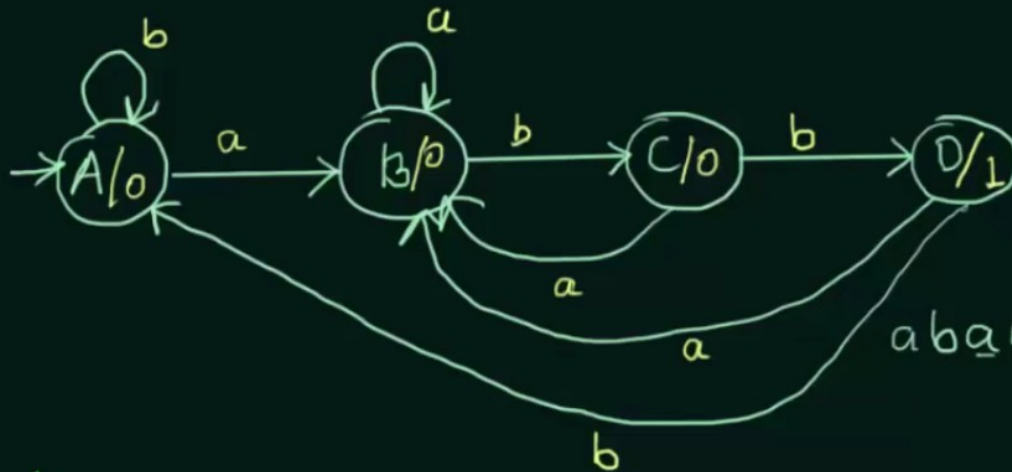
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Construct a Moore Machine that counts the occurrences of the sequence `abb` in any input strings over $\{a,b\}$

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ababb

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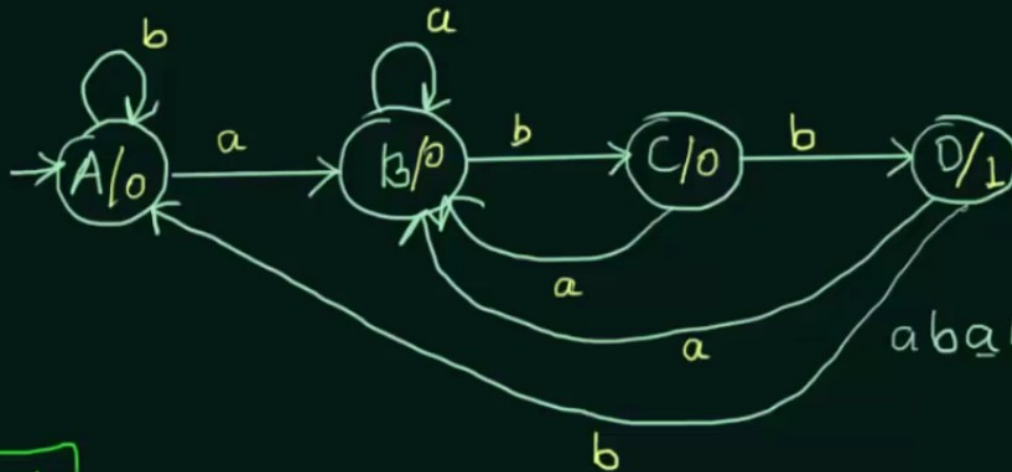
abbabb

	<u>a</u>	<u>b</u>	<u>b</u>
<u>A</u>	0	0	0
<u>B</u>	0	0	0
<u>C</u>	0	0	0
<u>D</u>	0	0	1



Construct a Moore Machine that counts the occurrences of the sequence abb in any input strings over $\{a,b\}$

$$\Sigma = \{a, b\} \quad \Delta = \{0, 1\}$$



ababb

abbabb

abbabb

	<u>a</u>	<u>b</u>	<u>b</u>
<u>A</u>	0	0	0
<u>B</u>	0	0	0
<u>C</u>	0	0	0
<u>D</u>	0	0	1

	<u>a</u>	<u>b</u>	<u>b</u>	<u>a</u>	<u>b</u>	<u>b</u>
<u>A</u>	0	0	0	1	0	0
<u>B</u>	0	0	0	0	0	0
<u>C</u>	0	0	0	0	0	0
<u>D</u>	0	0	1	0	0	1

• **Questions????**