

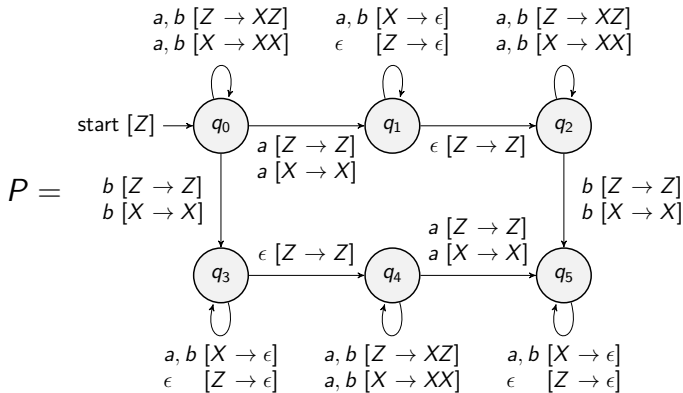
Construct a **PDA** that accepts the language by **empty stacks**:

$$L_E(P) = \{x \in \{a, b\}^* \mid x \text{ is not of the form } ww\}$$

Word $w =$ a b a a b a a a a b

Stack $\alpha =$

						Z
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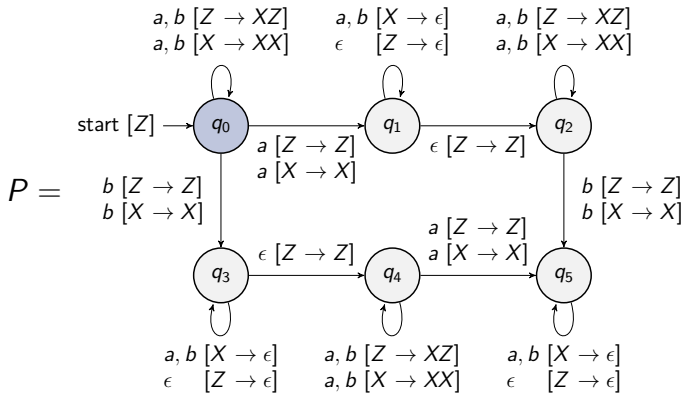
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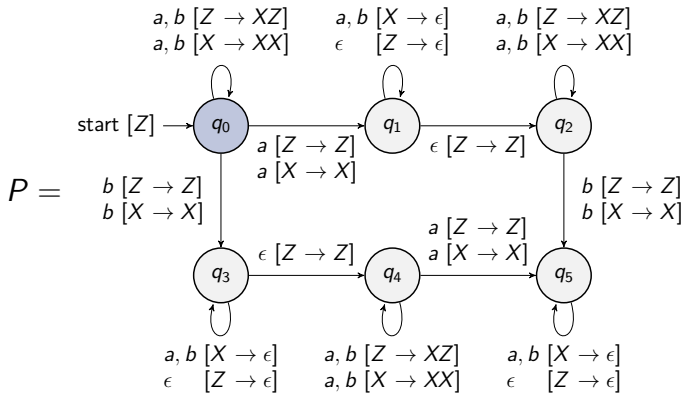
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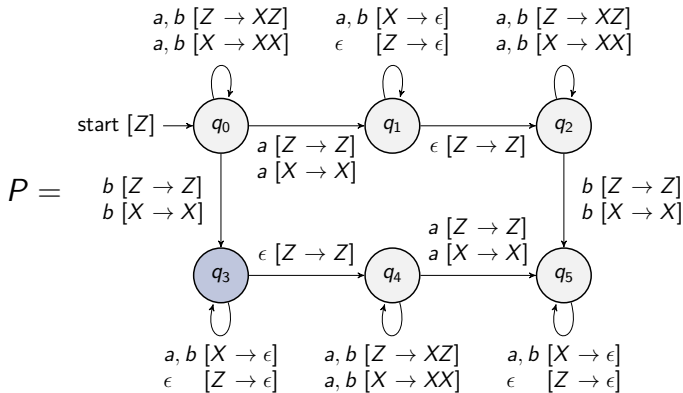
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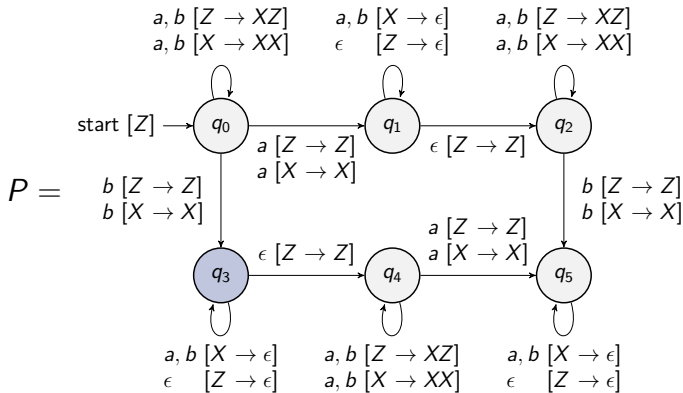
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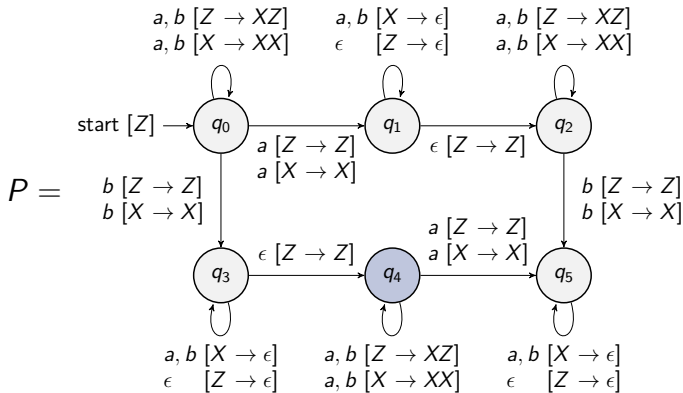
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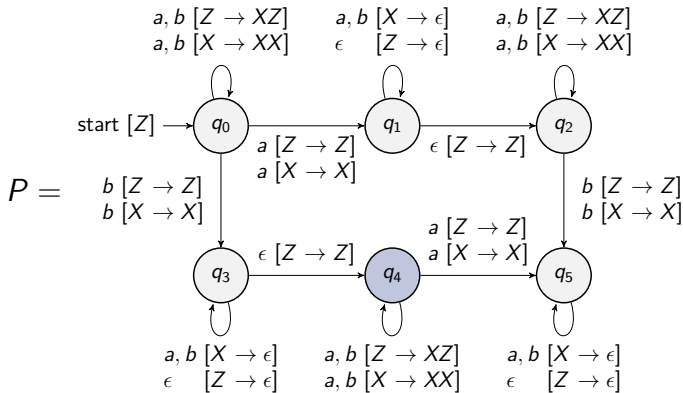
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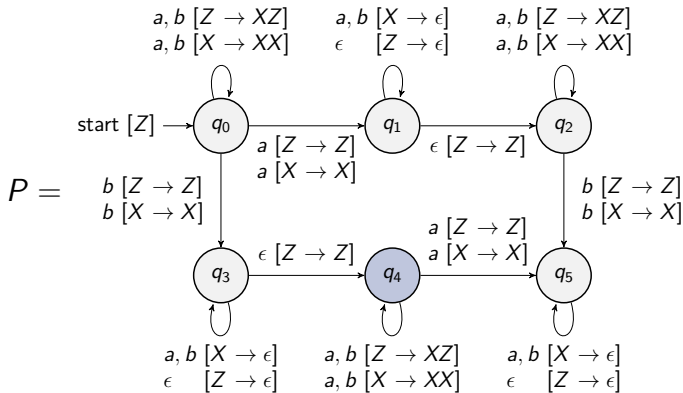
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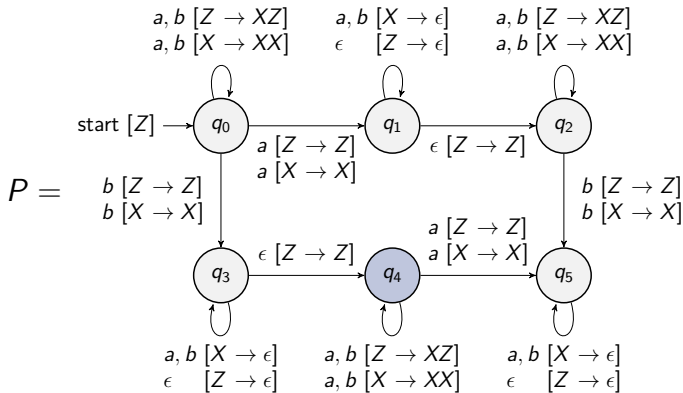
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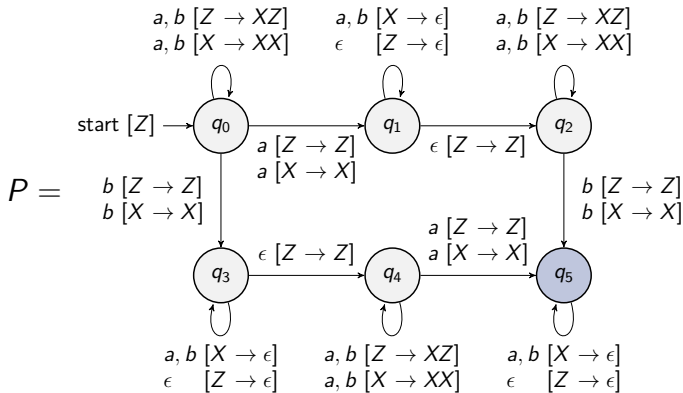
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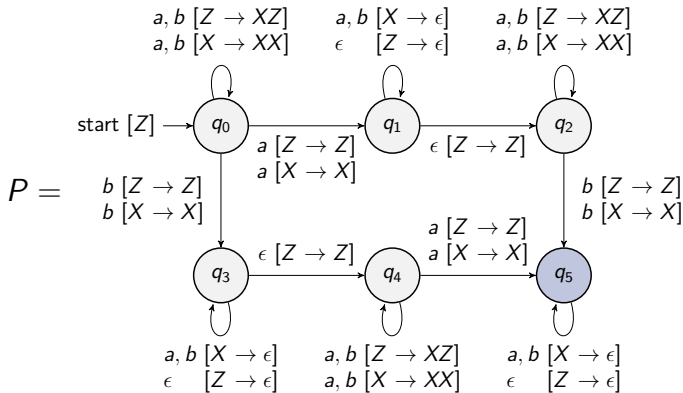
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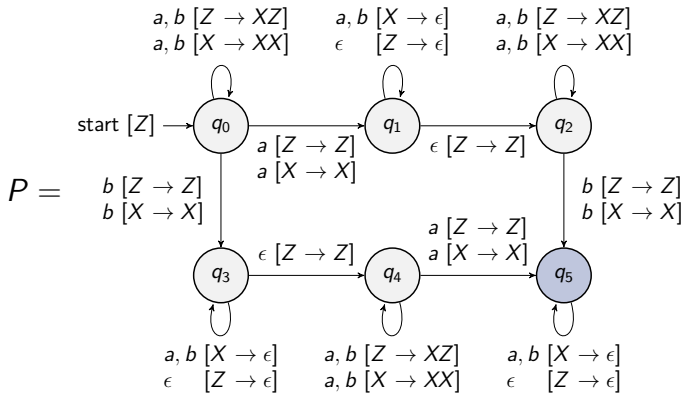
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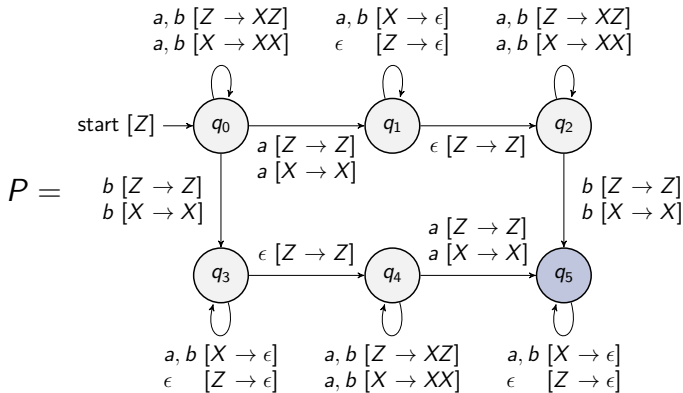
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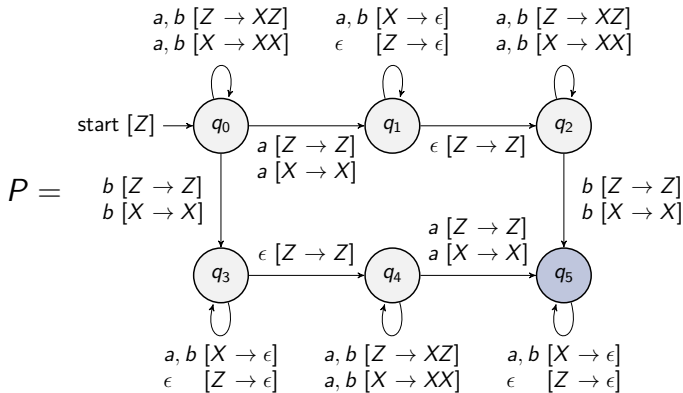
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$abaabaaaab \in L_E(P)$