







Finite State Machine

✿ A theoretical, or abstract, model of computation, used to compute a *language*.

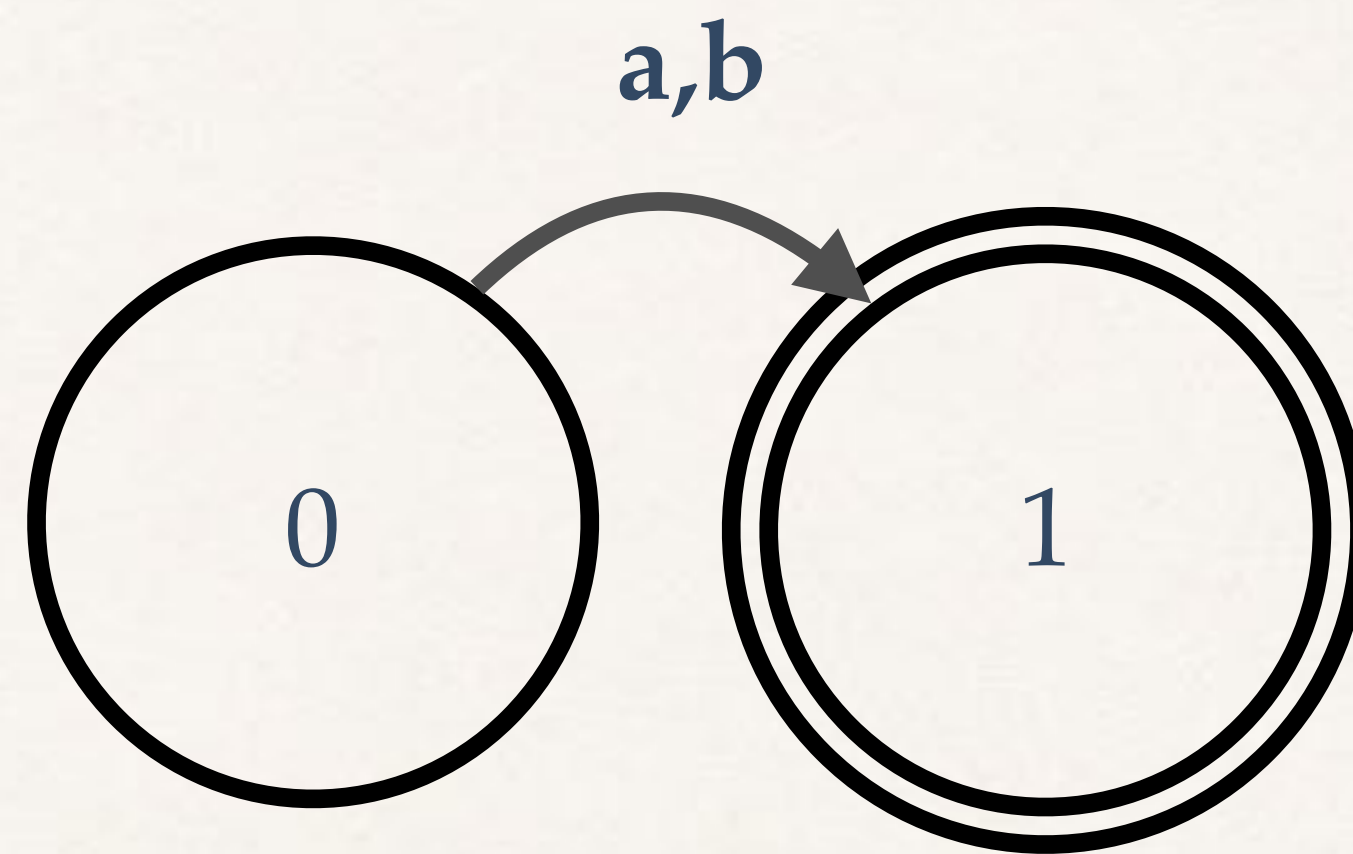
✿ *A language* in this context is a finite set of strings or symbols together with a set of rules specific to it (grammar etc.)

✿ In this “machine”, members of the language will output yes, and non members will output no.

# Formal Language as an FSM

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$\{ 'a', 'b' \}$





# Finite State Machine

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