

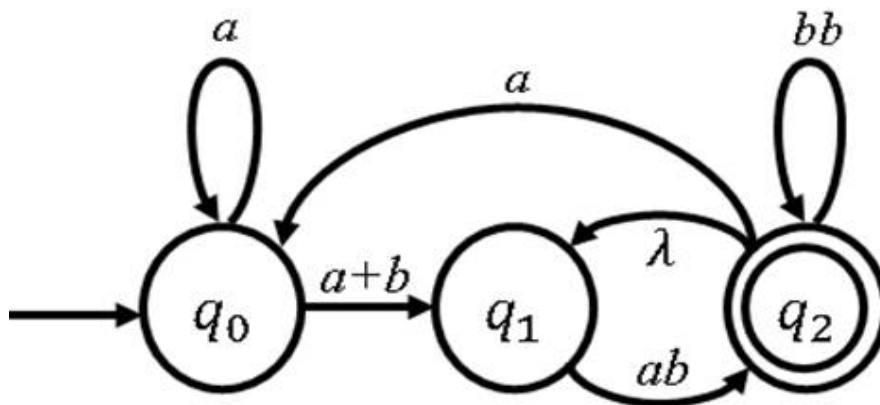
# Assignment 6

## Automata & Theory of Computation

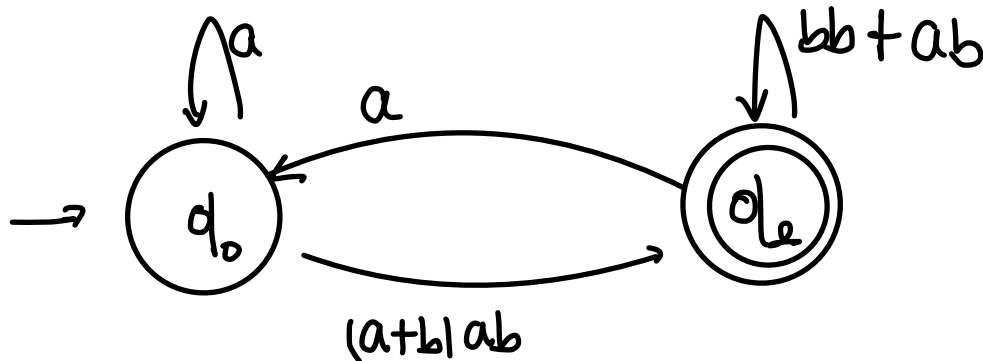
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1. Consider the following generalized transition graph.



(1) Find an equivalent generalized transition graph with only two states.



(2) What is the language accepted by this graph?

$$L = a^*(a+b)ab(bb+ab+aa^*(a+b)ab)^*$$