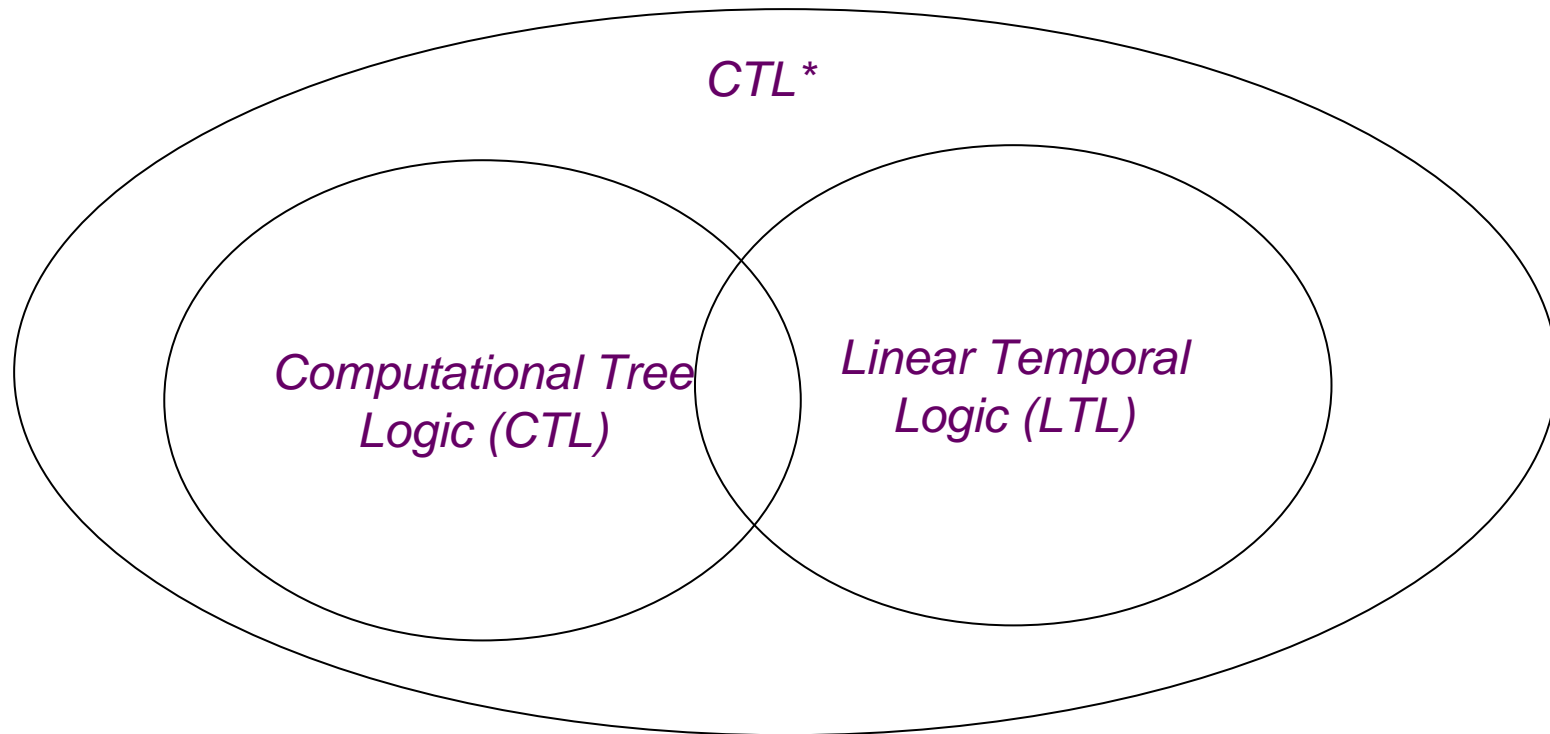


# Relationship among Various Temporal Logics

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# Combined Buffer Example in Lecture 3

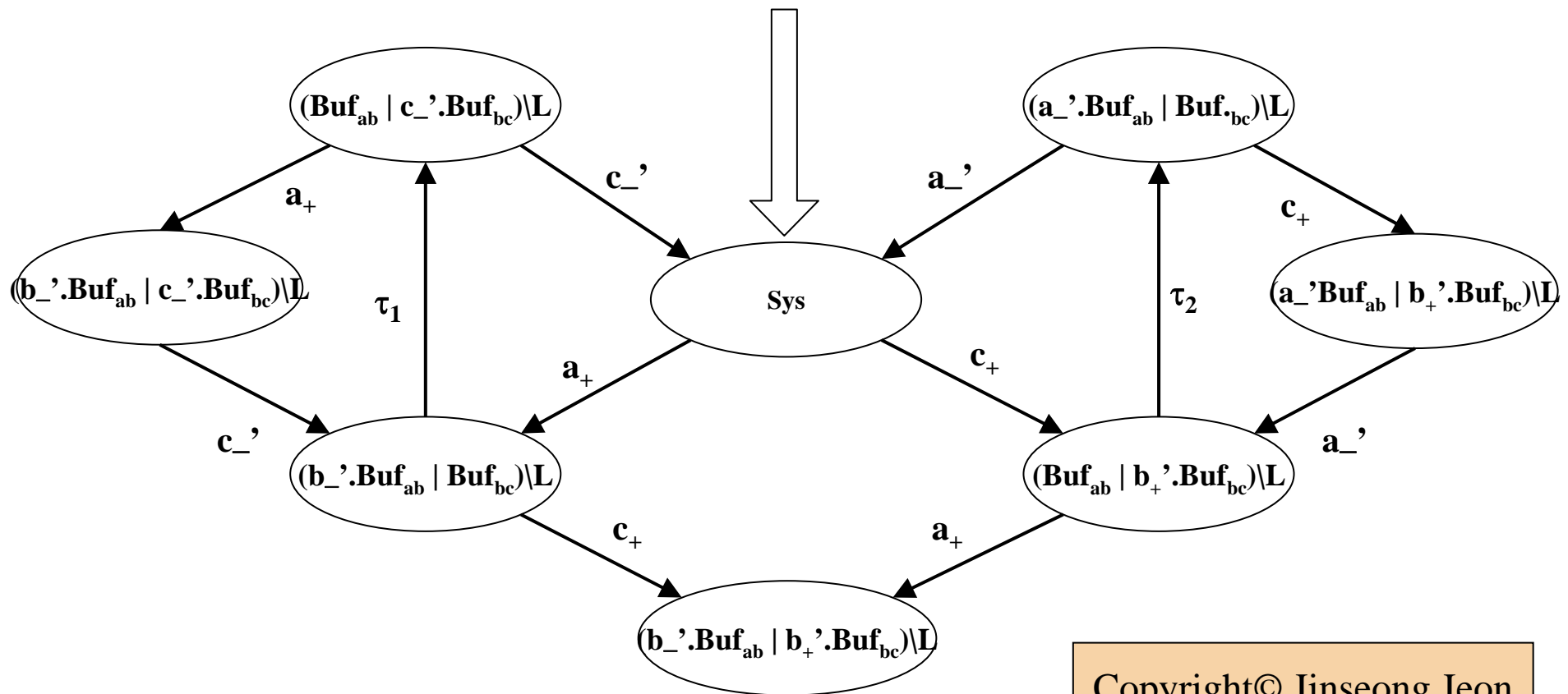
$$Buf_{ab} = a_+. \bar{b}_-. Buf_{ab} + b_+. \bar{a}_-. Buf_{ab}$$

$$Buf_{bc} = Buf_{ab}[f]$$

$$Sys = (Buf_{ab} | Buf_{bc}) \setminus L$$

$$\text{where } [f] \triangleq [c_+/b_+, c_-/b_-, b_-/a_+, b_+/a_-]$$

$$\text{where } L \triangleq \{b_+, b_-\}$$



*deadlock*

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