474 Instructor Notes from Day 11 slides:

Slide 10: Regular Expressions Define Languages

      Note that the regular expressions ε and α^+ are not strictly necessary,

      since there are other regular expressions that represent the same languages.

      ε Is equivalent to $\varnothing$*, α^+ is equivalent to $\alpha\alpha$*

Slide 14: Examples

      {a}*{b}*

      {a, b}*

      {a, b}*

      All strings with abba as a substring

Slide 18: More Regular Expression Examples

      {a}*

      {a}*

      a*(b$\cup\varepsilon$) a*

      ((ab)*(a $\cup\varepsilon$)) $\cup$ ((ba)*b)