Homework - Desmond

Wednesday, September 11, 2019 10:34 PM

HW #12: Show A* IS dbly of for A= &a,b, r3

* Just like we did for A={a,b} we hist out the strings in A* in order of their size * Given the strings in A* of size K, the strings of size k+1 are formed by concatenating each string in A to each string of size k

* this ends up listing the strings first by length then by lexical order.

[HW H2] Whad ragula: expression: generale so behavior

An regular expression with the symbol *..

For example, the regular expression byc* will

generate the regular language {b} u {c} ?*

where {c} 3* = {e, c, ce, cs, } => infinite in size

Hw H3 How many reg. lang are there? | Thought queton

In borning regular languages, we can combine the elements in an alphabel A and the symbols V and * as in the rules 1-5. If there is no restriction on how much we can re-use these symbols 8 elements, then we have infinitely many ways to combine them, thus allowing for an infinite may of regular languages

HW #4 Give an example of a non-regular expression on alphabel A

The expression ab is non-regular since it doesn't follow from any of the rules we lided