

Homework

Monday, September 9, 2019 10:06 PM

#1 Given $A = \{a, b\}$, how big is A^* ?

A^* is the set of all words formed on A ,
by definition, it's infinite in size.

#2 Given $A = \{a, b, c\}$

A^* is also infinite in size as well.

#3 $A = \{a, b, c\}$. How many languages on A ?

Since a language is a set of words derived from A^* , and A^* is infinite in size, there should be an infinite no. of languages that can be derived from A^* .