

In-class Practice 5: REs and FAs

Give both a regular expression and a finite automaton for the following language. The alphabet is $\{a, b, c\}$. The language is all strings that satisfy at least one of the following properties:

- (i) the string starts and end with an a ,
- (ii) the string starts with a b and has even length, or
- (iii) there is exactly one c in the string.