

In-class Practice 4: NFAs

For the alphabet $\{\mathbf{a}, \mathbf{b}\}$, give an NFA for each language:

1. All strings beginning and ending with **abb** (and excluding **abb** itself)
2. All strings containing **abb** or **bab** (or both) as a substring
3. All strings NOT containing **abb** as a substring