CSC236 Quiz 8
Week 12, Winter 2015
due 11:59pm Thursday April 2

This is a matching question. Four regular languages over the alphabet $\{0, 1\}$ are described below and numbered 1,2,3,4. There are also four FSMs labeled `a`, `b`, `c`, and `d`. You will submit a one-line file named `quiz8.txt` to MarkUs containing exactly 4 visible characters `a`, `b`, `c`, and `d` in *some* order. If `a` is the i-th character, that means you think the language numbered i is computed by the FSM labeled `a`, and similarly for `b`, `c`, and `d`. An example of a file of the correct format is the file containing the single line:
`abcd`

1. The language containing the empty string and nothing else. This is the set $\{\epsilon\}$ of size 1.
2. The *empty language*, which contains no strings. This is the set $\{\}$, i.e. the empty set, of size 0.
3. The language containing *all* binary strings.
4. The language containing all binary strings of length at least 1.