

How to make money using Number theory?

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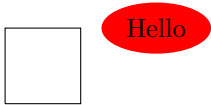
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1 Introduction

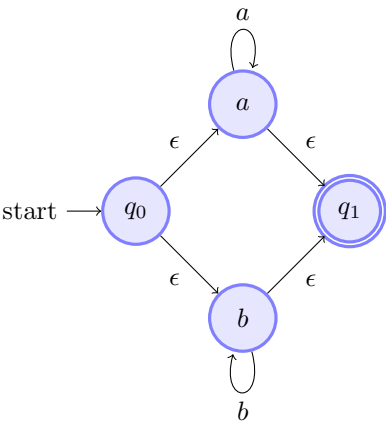
For a complex number s , we consider the series.

$$\zeta(s) = \sum_{n=1}^{\infty} \frac{1}{n^s} \tag{1}$$

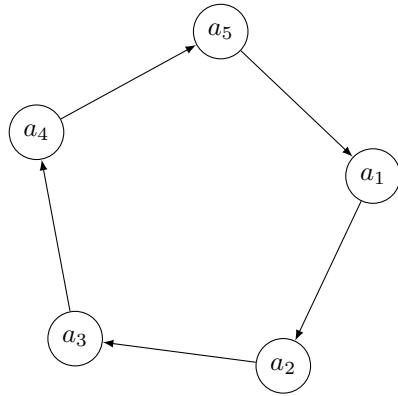
Theorem 1.1. *Consider the analytic continuation of the Riemann zeta function defined in Equation 1. All the non-trivial roots of it lie on the $\text{Re}(s) = \frac{1}{2}$ line.*



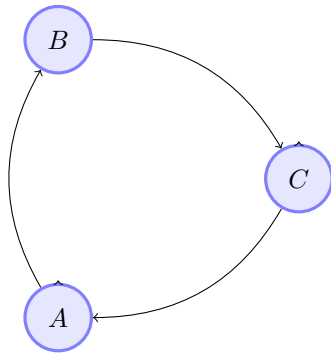
2 An NFA



3 Drawing graphs



4 Automata using graphviz and tikz



5 Plotting graphs

