Lab 05 - DFA to RE

Instructions:

- **In the previous lab, we converted regular expressions into DFAs. In this lab, we will reverse the process by converting DFAs back into regular expressions.**
- **Your objective is to generate a regular expression that represents the regular language recognized by each DFA. For each problem, provide the formal GNFA definitions used to derive the regular expression; however, you are only required to include the sets Q and the transition functions δ in these definitions. Use `$`, `.`, and `|` for Σ, ε, and $\cup$, respectively.**
- **Your submissions must be submitted to the GitHub repository in the Lab05 directory.**
- **Cheating of any kind is prohibited and will not be tolerated.**
- **Violating or failing to follow any of the rules above will result in an automatic zero (0) for the lab.**

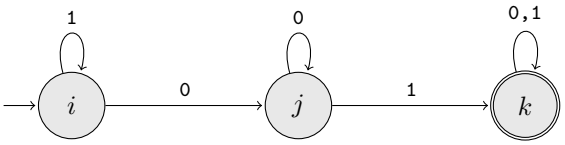
Grading

Task	Maximum Points	Points Earned
1	1.50	
2	1.50	
3	2.00	
Total	5.00	

Note: solutions will be provided for tasks colored blue only.

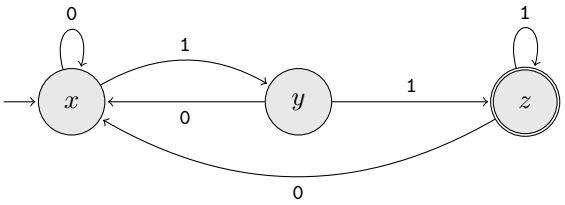
Task 1

- Convert DFA L:



Task 2

- Convert DFA M:



Task 3

- Convert DFA N: