**Discrete Mathematics Final Exam (Spring 2022)**

No :

Name:

1. (Graph - 35*P*) Draw a isomorphic graph to Seven Bridges of Königsberg so that it includes a Euler circuit. If you can, write its matrix representation, otherwise, say why.
2. (Tree - 35P) Let be an operation as *abc-+def\*++g\**. By drawing its parse tree, write its Polish (prefix) notation.
3. (Automata - 30P) Write a context free grammar so that it can derivate strings of the form 0a1b0c where a - b = c. (Here 021103 term derivates 001000)