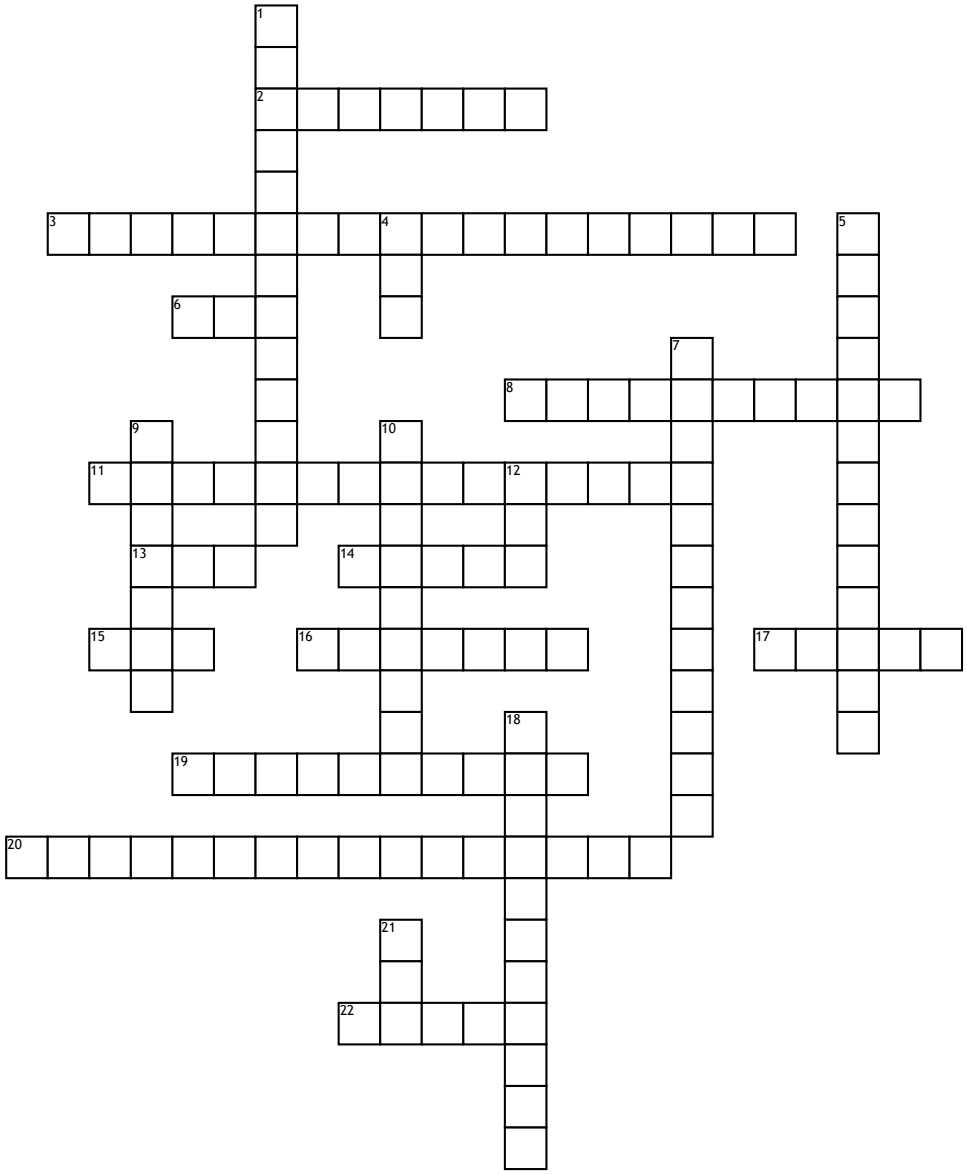
Theory of Computation



Across

2. If you can create a DFA for this language then it is _____

3. A language that some Turing Machine recognizes is _____-_____

6. Like an NFA with a stack

8. This complexity class is closed under Union

11. A language that has a Turing Machine decide it is _____-_____

13. Dissociative drug

14. string alphabet

15. all rules have form A -> BC and A -> a

16. All Context-Free Languages have these

17. class of regular languages is closed under this operation

19. Recognizable languages are not closed under this operation

20. Theory about how long it takes a Turing Machine to decide

22. tape alphabet

Down

1. Formal definition is a 7-tuple

4. Often used to express programming languages and natural languages

5. Context-Free Languages are closed under this operation

7. decidable languages are closed under this operation

9. lemma used to prove a language is NOT regular

10. Language A is turing-recognizable and the complement of A is Turing-recognizable then A is _____

12. Formal definition is a 5-tuple

18. Rice's Theorem is one way to prove a language is _____

21. Nondeterministic Finite Automata