

## Homework #3

- [7] Identify all possible red signatures of a 2D tiling that include 3. Clearly describe your logic and consider attaching your computations or spreadsheet.
- [2] To the right is a torus tic-tac-toe game in progress. What is X's best move? Why?
- [5] Recall in normal tic-tac-toe that either player can guarantee a draw. In torus tic-tac-toe is that still the case? Provide some justification and examples to support your answer.
- [3] Consider the alphabet. Which letters have the same topology?
- [3] Exercise 3.13

