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**CSCI 3038**

**▪ A brief explanation of the design decisions you made**

* The main design decisions I made were to use a function that takes a file name as input and read it line by line.
* For each line, we split the line into two parts: the bet and the drawn pool, using the => symbol as the separator.
* We convert the bet and drawn pool into sets of integers using the map function and the set constructor. This removes duplicates and allows us to perform set operations.
* We calculate the tokens won for this bet by taking the length of the matches set.

**▪ the challenges you had (logical challenges, design challenges, Python language challenges etc...),**

* I had a ton of trouble figuring out which data structure to use whether it was a list, set, tuple, or dictionary. I ended up settling on sets and dictionaries because they were the easiest to use with the least amount of code (and because it finally worked so I just didn’t change it)

**▪ screenshots/snips of the execution of your program demonstrating that you tested it with the given information as well as your own tests.**

