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Assignment 4 reflection

Using hashes made me realize the many different uses for a hashing algorithm, such that if there is a complicated enough hashing algorithm, there won’t be any collisions, and you can easily check to see if 2 objects are the same, or files even. A hash table is very useful with large datasets, as with a good hashing algorithm, it will be constant time to remove, to add and to get. There are so many ways to avoid collisions, but with a proper hashing algorithm, this can be avoided.