



Most notably hashing with a smaller base (in this case 1) and having a base a similar value to the size of the list will increase the time taken to fully hash the file. This is because there will be more collisions, resulting in a greater time complexity when having to iteratively find an empty element, rather than hashing it directly to an empty element. Complexity will be $O(1)$ unless the base is either close to 1 or to the size of the hash table, in which case it'll approach a complexity of $O(N)$ where N is the number of elements inserted.