



In the graphs above, we can see how the different counters change for each hash base and table size combinations. In terms of collision count, we can see that the combinations with a hash base of 1 have a low collision count compared to the rest but have much higher probe max and probe totals. This could be because of the hash function giving very similar hash values for keys, requiring them to

probe more. For the other hash base and table size combinations, it can be seen that the collision count is much higher and the probe total and probe max is much lower.

In all of the hash base and table size combinations, there was a total of 0 rehashes for all of them. This is because rehash() is only called when the array is full and an item is trying to be inserted. As all of the table sizes are greater than the number of words in each dictionary, there is enough space for all the words to be hashed into the table.