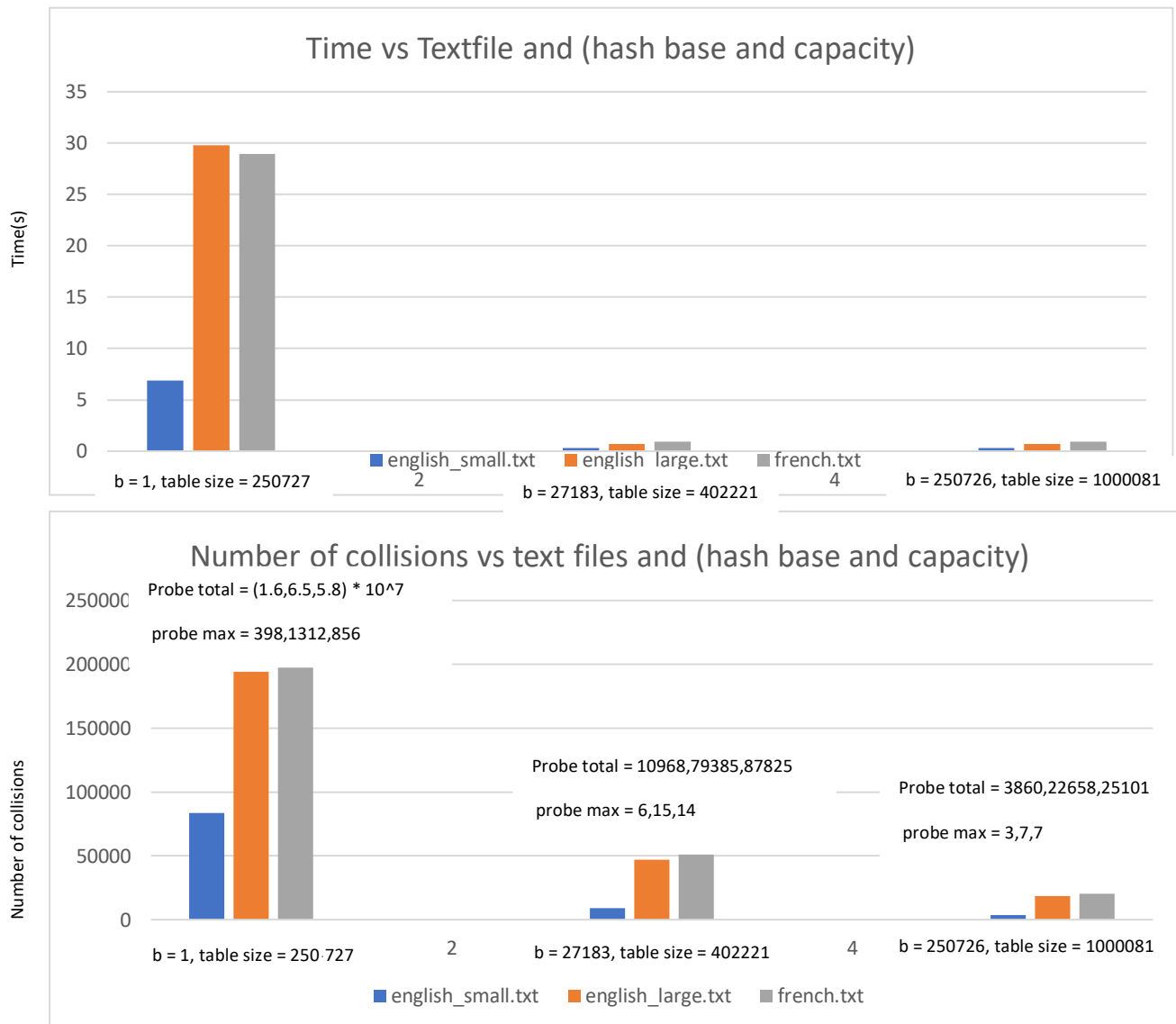


Task 4



The tables above show the time and number of collisions stored in a hash table from 3 different text files using quadratic probing. The pattern follows the same as the linear probing, but the time taken is much lower, especially for $b=1$. The number of collisions and probing chains are also significantly lower. This means that quadratic probing is much better at re-allocating positions in case of a collision.