Problem Set 4: Q: 4.1 a) 1). Yes. . The sum operation will space strings out 2) Yes. The sum operation will space strings out by contained characters 3) Mo as words reordering in a string closs not produce adifferent hash function. 4) NO, because it violates the independence condition of the simple uniform hashing assimption b) Statement 4 is correct. The dynamic resizing and collision are both neccessary for hash table. Without collision resolution, it could produce an actual hash function; however, no amount of resizing will be let into

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4.2) a) Statement I is correct

b) Because highly sparse hash table
is beneficial for unit test _, growth factor = 4?

Also, lots of things will be inserted front

Larger minimum size is better

J choose statement 4.