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Chapter 18 Questions

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1. (T/F) A hashing function should be easy to compute.

Answer: True

2. For less collisions in your table it has been shown that using a \_\_\_\_\_\_\_ number for your hash function proves efficient:

a. random

b. even

c. odd

d. prime

Answer: D

3. The technique of probing for the next available location in a hash table may also be referred to as \_\_\_\_\_\_\_ addressing.

Answer: open

4. List two pros and cons of hash tables:

Pros:

A quick retrieval time, especially when implemented for time efficiency

Can be created in a very memory efficient fashion

Cons:

Not innately dynamically allocated

Resizing the hash table can be a time expensive process

There are obviously many variants to the answers given.