Tim Kwist

Professor Frederick Harris

Computer Science 302

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TQ – C2

**True / False**

**Q:** A Sequential Search is an example of an effective recursive algorithm.

**A:** False; sequential search is not a recursive algorithm.

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**Multiple Choice**

**Q:** Which one of these cannot be solved with a recursive solution?

1. Towers of Hanoi
2. Binary Search
3. Fibonacci Sequence
4. All of these can be solved with a recursive solution.

**A:** D. All of these can be solved with a recursive solution

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**Fill in the Blank**

**Q:** All recursive solutions have these two components: \_ and \_.

**A:** Base case and recursive call.

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**Short Answer**

**Q:** Write a recursive definition of the factorial function.

**A:**

int fact(int n)

{

if(n==0)

return 1;

else

return n\* fact(n-1);

}

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