CSCI 350 Spring 2005

QUIZ 2

Assigned Tuesday, 05-01-18

To prove that Euclid's algorithm terminates, we used one the following properties. Which one?

1. Any even number greater than two is the sum of two primes.
2. Any number is divisible by one.
3. For any n greater than one there is at least one prime number between n and $2n$.

Answer: The second one. (Incidentally, all three are believed to be true, although the second one, known as Goldbach's conjecture, has never been proved.)