CSCI 350 Spring 2005

Quiz 4

Assigned Thursday, 05-01-27

Consider the problem of sorting an array of n items.
What is a good measure of input size?
Answer: n, the size (length) of the array
What is a good basic operation?
Answer: the number of comparisons of keys
Now, consider the problem of computing a^n.
What is a good measure of input size?
Answer: n, the exponent
What is a good basic operation?
Answer: the number of multiplications