- Algo complexity (Big-0)
- Number Systems
- Intro to Pointers
- Pass-by-value - by - reference by-pointer

Algorithms

Pre and Post Conditions

I Pre Condition - input spacs

e.g. a) sqrt(n)

b) bubble Sort (orr, n)

arr is array

n'is some int

TI Post Condition - expected output a) some real No.

6) array

III Correctness - alg returns, result 04214

I, II, and III are true:

IV Cost - memory usage, and runtime e.g. can you read the whole file into array of structs? runtime: hard to estimate

Big-O - worst case algo performance - theoretical upper bound

a) find element in away length in $f_{\alpha}(n)$ O(n)

0 4

b) compare every element against every other element

(~z)