

Assert Requirements and Avoid Overloading Meaning

Assert all requirements

- (usually at module boundaries),
- meaning that **if a requirement is not met,**
- **crash the program** (deliberately and immediately).

Avoid overloading meaning.

- What does `print_square (-10)` mean?
- Draw a triangle of size 10?
- (No!)

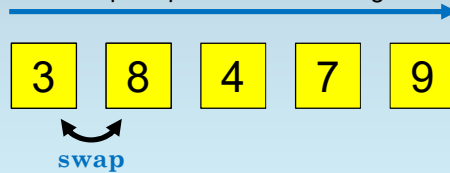
Algorithmic Errors are Algorithms that Fail

What is an **algorithmic error**?

- Use of **an algorithm that does not solve the problem.**
- There are two types:
 - logical and
 - numerical.

A Great New Idea: Loop Swap Sort!

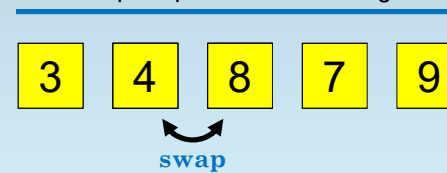
Compare pairs from left to right.



Swap iff right value smaller than left value.

Loop Swap Sort! (Step 2)

Compare pairs from left to right.



Swap iff right value smaller than left value.