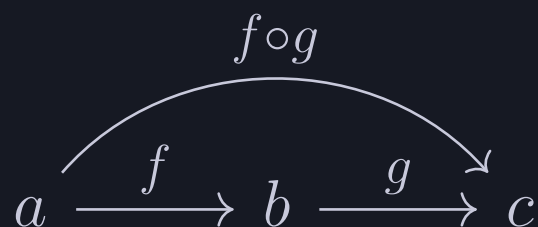
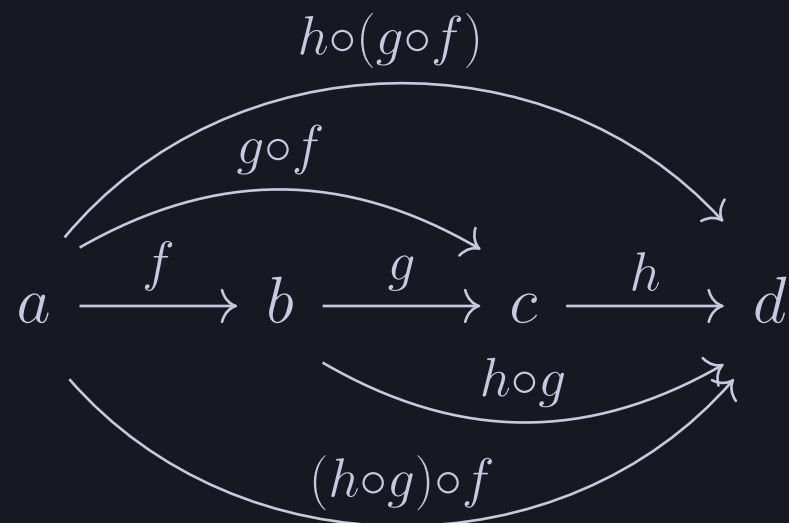


Composition is a property that says that if there is an arrow from a to b , and an arrow from b to c , there must exist an arrow from a to c .



Compositions have the associative property



$$h \circ (g \circ f) = (h \circ g) \circ f$$

And now some Rust code

```
fn main() {  
    let s1 = String::from("hello");  
  
    let len = calculate_length(&s1);  
  
    println!("The length of '{}' is {}.", s1, len);  
}  
  
fn calculate_length(s: &String) -> usize {  
    s.len()  
}
```