

Complexity II

Diagrams

Q: Which is simpler, diagram A or

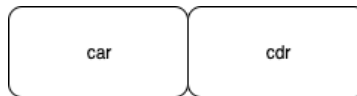
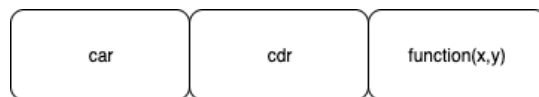


diagram B?



Code

Q: Which code is simpler? Code C:

```
function Cons(x,y) {
  this.car = x;
  this.cdr = y;
};
function car(cell) {
  return cell.car;
};
function cdr(cell) {
  return cell.cdr;
};
```

or Code D?

```
function Cons(x,y) {
  return function(placeholderFunction) {
    placeholderFunction(x,y);
  };
};
function car(cell) {
  return cell(
    function(x,y){
      return x;
    }
  );
};
function cdr(cell) {
  return cell(
    function(x,y){
      return y;
    }
  );
};
```

Simplicity can be defined as “lack of nuance”.

It is the Software Architect’s responsibility to make the design readable and understandable.