```
      data Module = .....

      data Class = .....

      data Method = .....

      data Stat = .....

      data Expr = .....

      data Decl = .....

      data Type = .....
```

```
type ESem a b c d e f
= ( (...,...)
, (...,...)
, (...,...)
, ...
```

```
compSem :: ESem
                            (\dots \rightarrow \dots)
                             (\dots \rightarrow \dots)
                             (\dots \rightarrow \dots)
        Attributes
                                                        Attributes
                             (\dots \longrightarrow \dots)
    that are passed
                                                        that are
                             (\ldots \to \ldots)
        top-down
                                                        generated
                             (\dots \rightarrow \dots)
                                                       bottom-up
                             (\dots \rightarrow \dots)
compSem = (...dozens of functions...) .....
```