com-
pi-
la-
tion
a
com-
piler
For-
tran
s
s+
]
?
.
$_a nalysis)[rec]lexicalanalysis; (syntactic_a nalysis)[rec, rightof =$
$lexical_a nalysis, xshift =$
$2.5cm]syntacticalanalysis; [arrow](lexical_a nalysis)-$
$-node[anchor =$
$south](syntactic_a nalysis); (semantic_a nalysis)[rec, rightof =$
$syntactic_a nalysis, xshift =$
$2.5cm]semanticanalysis; [arrow](syntactic_a nalysis)-$
$-node[anchor =$
$south](semantic_a nalysis); (codegen)[rec, rightof =$
$semantic_a nalysis, xshift =$
$2.5cm]codegeneration; [arrow](semantic_a nalysis)-$
$-node[anchor =$
$south](codegen);$
lex-
ing
to-
kens
pars-
ing
?
data
types
in-
te-
ger
over-
flow
be-
hav-
ior
??
.
$_t est, float =$
$H]semantic_a nalysis_s imple.rush$

```
main
main
main
main
main
main
main
let
two
three
two
three
two
three
two
three
int
exit
intadd
floatadd
```