

Lab Five

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CRAFTING A COMPILER

9.2 (AST FOR A "SIGN TEST" OPERATION)

Assume that we add a new kind of conditional statement to C or Java, the *signtest*. Its structure is:

```
signtest ( exp ) {  
    neg: stmts  
    zero: stmts  
    pos: stmts  
}
```

The integer expression **exp** is evaluated. If it is negative, the statements following **neg** are executed. If it is zero, the statements following **zero** are executed. If it is positive, the statements following **pos** are executed.

