

misplaced semicolons or extra or missing braces;  
 another example, in C or Java, the appearance  
 without an enclosing switch is a syntactic error  
 is usually allowed by the parser and caught later  
 compiler attempts to generate code).

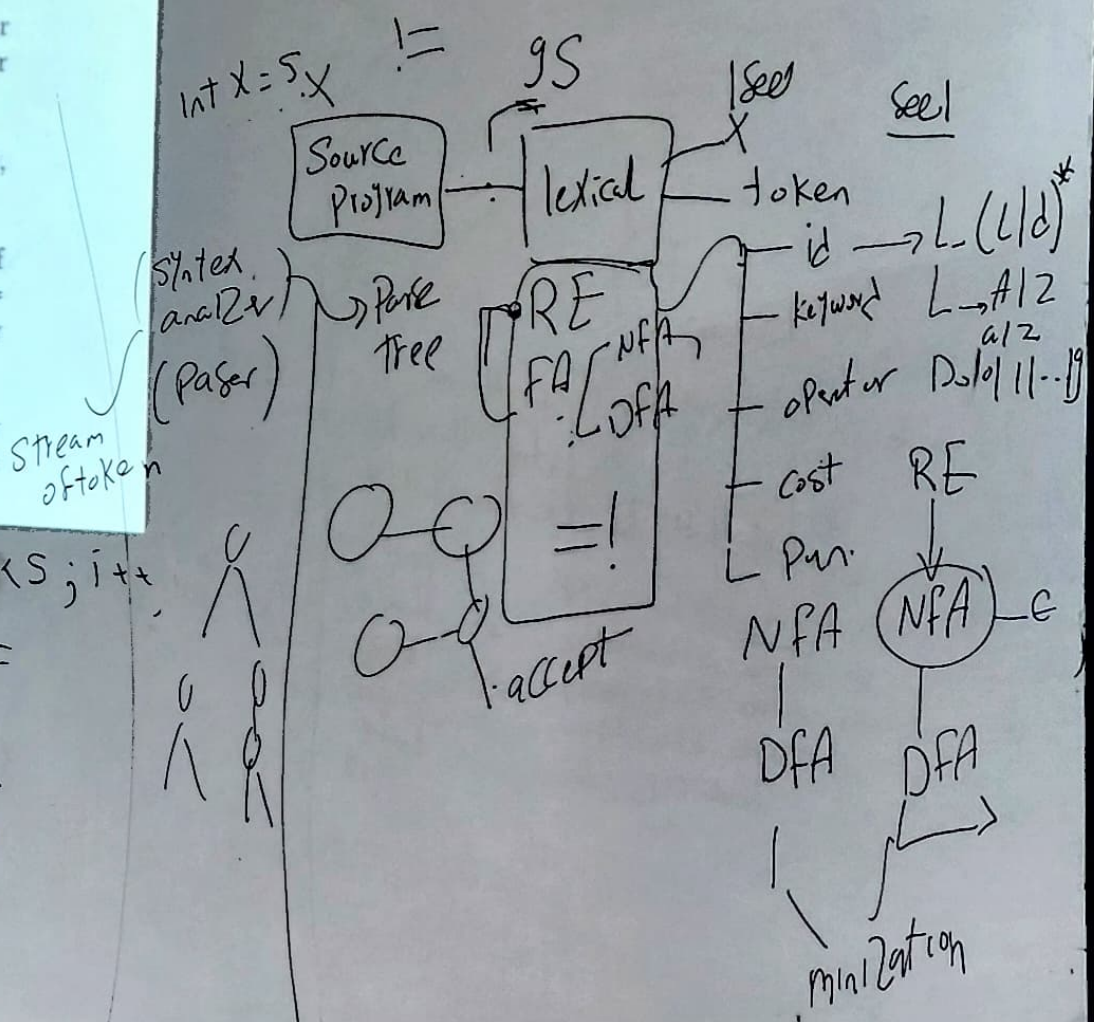
type mismatches between operators and operands,  
 in a Java method with result type void.

anything from incorrect reasoning on the part of  
 use in a C program of the assignment operator =  
 on operator ==. The program containing = may  
 it may not reflect the programmer's intent.

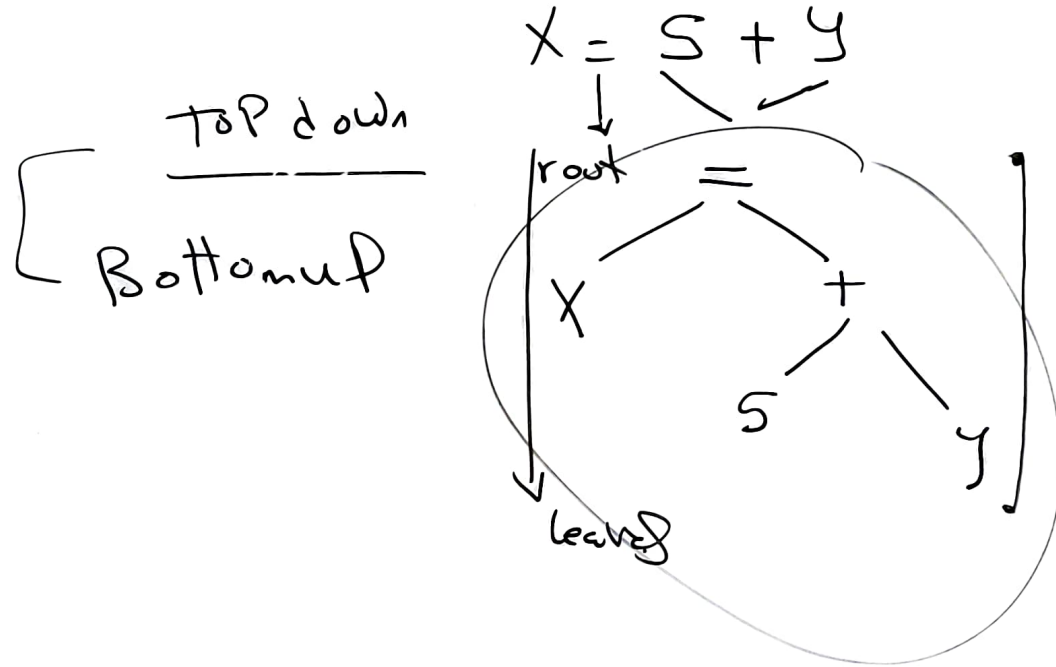
methods allows syntactic errors to be detected very  
 methods, such as the LL and LR methods, detect

```

switch( ) for ( int i = 1; i <= 5; i++ )
{
    case:
        // ...
}
  
```



Token  $\longrightarrow$  Parse tree



$$id + id \neq id$$
$$\mathcal{E} \rightarrow \mathcal{E} + \mathcal{E}$$
$$\Sigma \rightarrow \Sigma * \Sigma$$
$$E \rightarrow id$$
$$\Sigma \rightarrow \Sigma \times \Sigma$$
$$\Sigma \rightarrow E + E * E$$
$$\mathcal{E} \rightarrow \text{id} + \mathcal{E} * \mathcal{E}$$
$$\Sigma \rightarrow \text{id} + \text{id} * \square$$
$$\Sigma \rightarrow id + id * id$$

3. 3. 3.

$$\mathbb{C} \times \mathbb{R}$$

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Handwritten:  $\Gamma \ast \Delta$

