

## Längster Satz:

Compilers are very fantastic and extremely well optimized tools that can translate complex code quickly and effectively to machine code which is very hard to write and read for humans who cant read despite studying hard for their entire life and who are sacrificing their mental and physical well being.

## Grammatik:

```
file: country phone postalcode EOF;

country: 'CANADA' | 'Canada' | 'Germany' | 'GERMANY';
postalcode: canadapost | germanypost;
canadapost: CHAR DIGIT CHAR HYPHEN? DIGIT CHAR DIGIT;
germanypost: DIGIT DIGIT DIGIT DIGIT DIGIT HYPHEN DIGIT DIGIT DIGIT DIGIT DIGIT;
phone: canadaphone | germanyphone;
germanyphone: '+49' DIGIT DIGIT DIGIT DIGIT+
             | DIGIT'('DIGIT+')'DIGIT+
canadaphone: ('+1`|`1`)? ((LPAREN DIGIT DIGIT DIGIT RPAREN) | (DIGIT
DIGIT DIGIT)) HYPHEN? DIGIT DIGIT DIGIT HYPHEN? DIGIT DIGIT DIGIT
DIGIT;
HYPHEN: '-';
PLUS: '+';
LPAREN: '(';
RPAREN: ')';
DIGIT: [0-9];
CHAR: [a-z] [A-Z];
WS: [" " | '\n'] -> skip;
```