

DeceptiCompiler

Mais do que os olhos podem ver.

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Módulo:

```
rule(:module_op) { blank? >> str("module") >> blank? }  
rule(:end_op) { str("end") >> blank? }
```

Clauses:

```
rule(:clauses) { decl_seq.maybe >>  
  (ex_proc | ex_func).repeat(0) >> call.repeat(0) }
```

Procedure:

```
rule(:ex_proc) { proc_op >> ident >> lp >>
  (ident >> (com_op >> ident).repeat(0)).maybe >>
  rp >> block }
rule(:proc_op) { str("proc") >> blank? }
```

Function:

```
rule(:ex_func) { func_op >> ident >> lp >>
  (ident >> (com_op >> ident).repeat(0)).maybe >>
  rp >> ret_blk }
rule(:func_op) { str("func") >> blank? }
```

Bloco de função (com return no final):

```
rule(:ret_blk) { lcb >> decl_seq.maybe >> cmd.maybe >>  
  ret.maybe >> rcb }
```

```
rule(:ret) { ret_op >> exp }
```

```
rule(:ret_op) { str("return") >> blank? }
```

Call:

```
rule(:call) { ident >> lp >>  
  (exp >> (com_op >> exp).repeat(0)).maybe >> rp }
```

```
rule(:exp) { mathexp | boolexp | call | integer | ident }  
rule(:mathexp) { (call | ident | integer) >> arithop >>  
  (call | mathexp | ident | integer) }
```