# **EBNF Coral**

**Program** = SubDec|FuncDec

**SubDec** = “rotina”, “identifier”, “(“, { | (“identifier”, “como”, Type)}, “)”, “\n”, { | ( Statement, “\n”)}, “fim”, “rotina”;

**FuncDec** = “funcao”, “identifier”, “(“, { | (“identifier”, “como”, Type)}, “)”, “como”, Type, “\n”, { | ( Statement, “\n”)}, “fim”, “funcao”;

**RelExpression** = Expression, {“=” | ”>” | ”<”}, Expression;

**Expression** = Term, {(“+” |  “-” | ”ou”),Term | ;

**Term** = Factor, {(“\*” | ”/” | ”e”), Factor} | ;

**Factor** = “number” | {“boolean” | (”identifier”,{| {“(“{(| RelExpression, {| “,”})}}}) | {(“+” | ”-” | ”nega”), Factor} | “(“, RelExpression, “)” | ”input”;

**Statement** = | (“identifier”, “=”, RelExpression) | (“imprimi”, RelExpression) | (“declara”, “identifier”, “como”, Type) | (“se”, RelExpression, “entao”, “\n”, {| (Statement, “\n”), {| (“sentao”, “\n”, {| (Statement, “\n”)}}, “fim”, “se”) | (“faca”, “identifier”, “(“, {| {RelExpression, {| “,”}});

**Type** = "inteiro"|"booleano"