Codificação em Linguagem Modula-2

```
MODULE ALG06; MODULE ALG10; IMPORT In, Out; IMPORT In,
 MODULE ALG01;
          IMPORT Out;
                                                                                                                                                                                                                                                   IMPORT In, Out;
       VAR
Out.String("Bom dia"); X: INTEGER; X, Y, N1, N2:
Out.Ln; BEGIN INTEGER;
END ALGO1. In.Int(X); BEGIN
IF X > 100 THEN In.Int(X);
Out.Int(X, 0); In.Int(Y);
ODULE ALGO2; Out.Ln; IF X > Y THEN
IMPORT In, Out; END ALGO6. BEGIN

VAR
V. 7000
 MODULE ALG02;
        VAR

X: INTEGER;

MODULE ALG07;

END

BEGIN

IMPORT In, Out;

ELSE

In.Int(X);

Out.Int(X, 0);

VAR

N1 := X;

N2 := X;

BEGIN

N1 := X;

N2 := Y;

END ALG02.

BEGIN

In.Int(X);

In.Int(X);

Out.Int(N1, 0);

In.Int(Y);

Out.Ln;

Out.Int(N2, 0);

IMPORT In, Out;

BEGIN

Out.Int(X);

Out.Int(
 MODULE ALG03;
IMPORT In, Out;
           MODULE ALG11;
                                                                                                                                                                                                                                                 IMPORT In, Out;
                                                                                                                                                                                                                                                      X, I: INTEGER;
X := 0;
VAR
I := 1;
MODULE ALGO4;
X, Y: INTEGER;
WHILE I <= 10 DO
IMPORT In, Out;
BEGIN
In.Int(X);
Out.Int(X, 0)

VAR
In.Int(Y);
Out.Ln;
X, Y, Z: INTEGER;
IF X <= Y THEN
X := X + 2;
BEGIN
Out.Int(X, 0)
I := I + 1;
In.Int(Y);
Out.Int(Y);
Out.Int(Y, 0);
END ALG11.
Out.Ln;
Out.Ln;
Out.Ln;
Out.Ln;
Out.Ln;
                                                                                                                                                                                                                                                      x := 0;
                                                                                                                                                                                                                                                                                Out.Int(X, 0);
                   Out.Ln;
                                                                                                                                                                                                                                        MODULE ALG12;
           END ALG04.
                                                                                                                                                                                                                                                  IMPORT In, Out;
                                                                                                                            MODULE ALG09;
                                                                                                                                      MODULE ALGO9;
IMPORT In, Out;

VAR
                                                                                                                                                                                                                                             VAR
               X, I: INTEGER;

X, Y: INTEGER;

X := 1;

BEGIN

X, Y, Z: INTEGER;

In.Int(X);

In.Int(X);

In.Int(X);

In.Int(X);

In.Int(Y);

Z := X * X + Y * Y;

Out.Int(Z, 0);

Out.Ln;

Out.Ln;

ND ALG05.

X, I: INTEGER;

BEGIN

X := 1;

WHILE I <= 10 DO

BEGIN

Out.Int(X, 0)

Out.Int(X, 0)

Out.Int(X, 0)

Int(X, 0)

Out.Int(Y, 0);

Out.Int(Y, 0);

END ALG09.

END ALG12.
 MODULE ALG05;
                                                                                                                                                                                                                                                           X, I: INTEGER;
                                                                                                                               VAR
           IMPORT In, Out;
           VAR
           BEGIN
                                                                                                                                                                                                                                                                          Out.Int(X, 0);
           END ALG05.
```