FUNCTION INSERT\_2(C:ALF):HEX

A:HEX

B:HEX

D:HEX

BEGIN

A=INIT

B=A

DO UNTIL (C<A^.INFO OR A^.SGTE=NULL)

IF (B^.INFO<C)

THEN

D=NEW(C)

D^.SGTE=A

ELSE

A=A^.SGTE

END IF

LOOP

IF (C<A^.INFO)

THEN

D=NEW(C)

D^.SGTE=A^.SGTE

A^.SGTE=D

ELSE

IF (A^.INFO=NULL)

THEN

D=NEW(C)

A^.SGTE=D

END IF

END IF

RETURN D

END

END FUNCTION