**FUNCTION BUSCAR (NI : HEX, NB : HEX) : HEX**

**A : HEX**

**B : HEX**

**R : HEX**

**BEGIN**

**IF NI^.HIJO = NB**

**THEN**

**R = NI**

**ELSE**

**A = NI^.HIJO**

**DO UNTIL A = NULL**

**IF A^.HIJO <> NULL**

**THEN**

**B = BUSCAR (A, NB)**

**IF B <> NULL**

**THEN**

**R = B**

**A = NULL**

**ELSE**

**IF A^.HMNO = NB**

**THEN**

**R = A**

**A = NULL**

**ELSE**

**A= A^.HMNO**

**ENDIF**

**ENDIF**

**ELSE**

**IF A^.HMNO = NB**

**THEN**

**R = A**

**A = NULL**

**ELSE**

**A = A^.HMNO**

**ENDIF**

**ENDIF**

**LOOP**

**ENDIF**

**RETURN R**

**END**