# LOGICAL NOT

### **PURPOSE**

Carry out the logical negation of a variable where true values are coded as 1 and false values are coded as 0.

## **DESCRIPTION**

```
LET Y = DATA 101011000101
```

For long sequences, you can use the SERIAL READ command. The IND function can be helpful in converting a numeric variable that is not coded with 0 and 1's to one that is.

### **SYNTAX**

### **EXAMPLES**

LET Y2 = LOGICAL NOT Y1

## **DEFAULT**

None

#### **SYNONYMS**

None

### **RELATED COMMANDS**

LOGICAL AND = Carries out a logical and.

LOGICAL OR = Carries out a logical or.

LOGICAL NAND = Carries out a logical negative and.

LOGICAL NOR=Carries out a logical nor.LOGICAL XOR=Carries out a logical xor.LOGICAL IFTHEN=Carries out a logical if-then.LOGICAL IFF=Carries out a logical if-and-only-if.

# REFERENCE

"Handbook of Mathematical Tables and Functions," Edition 5, Burington, McGraw-Hill, 1973 (page 132).

# **APPLICATIONS**

Mathematics

# IMPLEMENTATION DATE

87/10

### **PROGRAM**

LET Y1 = DATA 1 0 LET Y2 = LOGICAL NOT Y1 SET WRITE DECIMALS 0 WRITE Y1 Y2