

Select Maximum Select Minimum

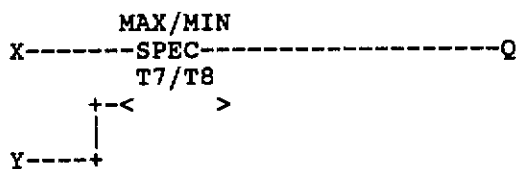
**MAX T7
MIN T8**

DESCRIPTION

The MAX/MIN special functions determine the larger or smaller of two integer values or alternatively find the largest or smallest entry in an array.

SPECIFICATION

Control language:-



The determination of largest or smallest is on the basis of most positive or most negative respectively.

Note: The mnemonics MAX/MIN will not automatically be recognised by older GEM80 programming units, but can be added as a user defined mnemonic in the System Programmer.

Table 1 Program rung data

Sym	Location	Use	Range
X	Upper Rung Input		±32767
Y	Lower Rung Input	Single numeric value	±32767
Q	Rung Output	Maximum or Minimum value	±32767



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