

Whetstone Algol Controller – Run Time Error Numbers

See Appendix 2 of the English Electric Service Routine Library Manual

Error/Meaning

- 0 Machine Compiler (non-existent operation)
- 1 KDF9 too small
- 2 Expression in an if clause not boolean
- 3 Incorrect number of parameters in a procedure call
- 4 Left and right-hand sides not compatible
- 5 Variables in left part list of differing types
- 6 Integer overflow
- 7 Integer assigned to real actual parameter called by name
- 8 Real assigned to integer actual parameter called by name
- 9 Actual parameter incompatible with formal parameter used in an expression
- 10 Invalid actual parameter corresponding to real formal parameter used in an expression (call by name)
- 11 Invalid actual parameter corresponding to integer formal parameter used in an expression (call by name)
- 12 Integer overflow in converting real actual parameter corresponding to integer formal parameter (call by name)
- 13 Arithmetic actual parameter corresponding to boolean formal parameter (call by name)
- 14 Algebraic actual parameter corresponding to label formal parameter (call by name)
- 15 Invalid actual parameter corresponding to real formal parameter used in an expression (call by value)
- 16 Invalid actual parameter corresponding to integer formal parameter used in an expression (call by value)
- 17 Integer overflow in converting real actual parameter corresponding to integer formal parameter (call by value)
- 18 Arithmetic actual parameter corresponding to boolean formal parameter (call by value)
- 19 Algebraic actual parameter corresponding to label formal parameter (call by value)
- 20 Actual parameter should be real array
- 21 Actual parameter should be integer array
- 22 Actual parameter should be boolean array
- 23 Actual parameter should be procedure
- 24 Actual parameter should be real procedure
- 25 Actual parameter should be integer procedure
- 26 Actual parameter should be boolean procedure
- 27 Actual parameter should be string
- 28 Actual parameter should be switch
- 29 Actual parameter not arithmetic
- 30 Actual parameter not boolean
- 31 Actual parameter not label
- 32 Array bound not arithmetic
- 33 Lower bound exceeds upper bound
- 34 Integer overflow in converting real bound
- 35 Integer overflow in converting real subscript
- 36 Subscript not arithmetic
- 37 Incorrect number of subscripts to formal array
- 38 Subscripted variable outside array limits
- 39 Integer overflow in converting real array to integer
- 40 Actual parameter corresponding to real formal array should be arithmetic array
- 41 Actual parameter corresponding to integer formal array should be arithmetic array
- 42 Actual parameter should be boolean array
- 43 Out-of-range switch index
- 44 Operand of unary minus not arithmetic
- 45 Real overflow - unary minus
- 46 Integer overflow - unary minus
- 47 Operand of **not** is not boolean
- 48 Operands of integer divide (÷) not integers
- 49 Zero divisor to integer divide (÷)

50 Operands of **and** not boolean
 51 Operands of **or** not boolean
 52 Operands of **imp** not boolean
 53 Operands of **eqv** not boolean
 54 Operands of **+** not arithmetic
 55 Operands of **-** not arithmetic
 56 Operands of **x** not arithmetic
 57 Operands of **<** not arithmetic
 58 Operands of **≤** not arithmetic
 59 Operands of **=** not arithmetic
 60 Operands of **≥** not arithmetic
 61 Operands of **>** not arithmetic
 62 Operands of **≠** not arithmetic
 63 Real overflow on **+**
 64 Real overflow on **-**
 65 Real overflow on **x**
 66 Real overflow on **<**
 67 Real overflow on **≤**
 68 Real overflow on **=**
 69 Real overflow on **≥**
 70 Real overflow on **>**
 71 Real overflow on **≠**
 72 Integer overflow on **+**
 73 Integer overflow on **-**
 74 Integer overflow on **x**
 75 Integer overflow on **/**
 76 Operands of **/** not arithmetic
 77 Procedure identifier as controlled variable
 78 Expression after while not boolean
 79 Operands of exponentiation not arithmetic
 80 a^r $a < 0$
 81 a^r $a = 0, r < 0$
 82 a^i $a = i = 0$
 83 a^i integer overflow
 84 a^i $i < 0$, integer overflow
 85 Nest and SJNS not empty on exit from a code procedure
 86 Nest and SJNS not empty on $J[a]$ in a code procedure
 87 Input/Output devices not closed before end of program
 88 Input/Output function not available
 89 Parity failure on reading object program
 90 Even restart — operator does TINT;I0.
 91 Odd restart — operator does TINT;I1.
 92 Invalid operand to function *exp*
 93 Invalid operand to function *ln*
 94 Invalid operand to function *sin*
 95 Invalid operand to function *cos*
 96 May not be used
 97 Invalid operand to function *sqrt*
 98 Invalid operand to function *entier*
 99 May not be used
 100 C not arithmetic in **for** $V := A$ **step** B **until** C
 101 B not arithmetic in **for** $V := A$ **step** B **until** C
 102 Real overflow in forming $V - C$ in **for** $V := A$ **step** B **until** C
 103 Integer overflow in forming $V - C$ in **for** $V := A$ **step** B **until** C
 104 Real overflow in forming $V + B$ in **for** $V := A$ **step** B **until** C
 105 Integer overflow in forming $V + B$ in **for** $V := A$ **step** B **until** C
 106 Machine/Compiler (nesting store not empty on return to main loop)
 107 Real overflow on a^r
 121 Device already open
 122 Device number contains 8 or 9
 123 Trying to use *open* on a magnetic tape

124 No table entry for this device
125 No tables for this device
126 Parity failure on monitor
127 Exponent out of range
128 **10** or decimal point in exponent
129 More than one decimal point
130 More than one sign
131 Sign not at the beginning of a number
132 **+** **-** **10** or decimal point without a digit
133 No digit after decimal point
134 Number out of range
135 Negative number with empty sign
136 No digits at all in given field layout
137 More characters than bits in the field
138 Digit before start of initial spaces
139 Digits left over at decimal point position
140 More digits to left of decimal point than given in field layout before round off
141 More digits to left of decimal point than given in field layout after round off
142 Only guard digit in layout field
143 No digits after decimal point
144 More than 8 characters in exponent
145 More than 2 but less than 9 characters in exponent
146 Failure in alarm printing
147 An inadmissible basic symbol in inner string quotes
148 String does not start with **␣**
149 Trying to close a device that is not open
150 8 or 9 in device number
151 Character fetching with basic symbol buffer not empty
152 Device not open
153 Reading on writing device
154 CR by itself (5-hole input only)
155 More than one retain character entry
156 Basic symbol buffer full
157 Write on binary
158 Parity failure on a device
159 Reading characters on a binary device
160 5- or 8-hole tables not available
161 writing on a reading device
162 Device already found
163 **␣** not first symbol of a string
164 character other than 0-9 A-Z in tape identifier except for 'zero' **[*****]**
165 Input tables not present
166 Parity failure
167 Device not found
168 8 or 9 in device number
169 Table for other function not present
170 Device not a magnetic tape
171 Device not found
172 Writing on a reading device
173 Writing on a character device
174 Parity failure
175 Block count wrong on rewinding after reaching end-tape-warning
176 **␣** not first symbol of string
177 An inadmissible basic symbol in inner string quotes
178 Device not found
179 Array size incompatible
180 Read binary on character device
181 Read on writing device
182 Block count wrong on rewinding after reaching end-tape-warning
183 Parity failure
184 Skip on writing device

185 Skip on character device
186 Backward skip to BTL (beginning-of-tape-label) i.e. before data
187 Parity failure
188 Device not found
189 not taken up - sic
190 not taken up - sic
191 Parity failure
192 Device not found
193 Out of range integer in array heading
194 W not 1 or -1
195 $d > 31$
196 Array size incompatible
197 Invalid terminator to a number
198 Array does not terminate with end-message
199 Number before Z terminator out of range
200 Number of zeros too great for size of array
201 Row or column or grand sum not at end of row, column or array
202 Sum check failure
203 \perp not first symbol of a string
204 Incorrect dope vector
205 8 or 9 in device number
206 BTC on device other than magnetic tape
207 Device not found
208 8 or 9 in device number
209 ETW on device other than magnetic tape
210 Device not found
211 Parity failure
212 Rewind on output device
213 Device not found
215 Over-reading of cards (END of DATA card being processed)
220 No variable called for standard entry, i.e. sread, swrite called with no E, F or I format specified
222 First Algol Basic Symbol of string not \perp
223 integer brought from format string: -ve sign but no decimal digits
224 -ve scale factor used with E-type transfer
227 w-integer for E- or F-type number not found
228 w-integer for E- or F-type number out of range
229 No decimal point in format string for E- or F-type number
230 d-integer for E- or F-type number not found
231 d-integer for E- or F-type number out of range
232 w-integer < d-integer for E- or F-type number
233 w-integer for I-type number not found
234 w-integer for I-type number out of range
235 Invalid format symbol in the string
238 Incompatibility between kind of variable and the format type of the number,
i.e. integer used with E-, F-type format or real number used with I-type format
243 I-type number out of 39-bit range
245 A difference of at least 6 does not exist between w and d for E-type format
260 Two exponent fields in one number
261 Invalid symbol on input medium
262 Decimal point found in number expected to be I-type
263 No decimal digits in exponent field on input
264 No decimal digits in mantissa
265 Exponent of more than two digits
269 Space found in decimal number after first non-space character found
270 Exponent field found in number expected to be I-type
999 Occurs after stack post-mortem