

Natural System Error Messages 1251-1300

NAT1254: Invalid size value for REDUCE/EXPAND/RESIZE: :1:.

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| Text | Invalid size value for REDUCE/EXPAND/RESIZE: |
| Expl. | <p>A size value is specified with the REDUCE/EXPAND/RESIZE statement, in order to reallocate the memory for the given dynamic operand. The following conditions must be kept for the size value:</p> <ol style="list-style-type: none"> 1. The size value must not be negative. 2. The size value must not exceed 1 gigabyte. <p>The size value which caused the error is shown in the error message.</p> |
| Actn. | Make sure the size value meets the conditions mentioned above. |

NAT1255: Invalid value in ARRAY clause for REDUCE/EXPAND/RESIZE: :1:.

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| Text | Invalid value in ARRAY clause for REDUCE/EXPAND/RESIZE: |
| Expl. | <p>The ARRAY clause of the REDUCE/EXPAND/RESIZE statement is provided in order to allow the number of occurrences of an X-array to be adjusted. The lower and upper bound values specified with the bound notation, or the number of occurrences specified with the occurrence notation, must meet the following conditions:</p> <ol style="list-style-type: none"> 1. The fixed bound value must not be changed. 2. The number of occurrences must not be negative. 3. The number of occurrences must not exceed 1073741824. <p>The value which caused the error is shown in the error message.</p> |
| Actn. | Make sure the value meet the conditions above. |

NAT1256: Value of system variable :1: is undefined.

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| Text | Value of system variable ... is undefined. |
| Expl. | <p>A Natural statement references a system variable in order to get its value. The value of the system variable is currently undefined, due to the following reason:</p> <ol style="list-style-type: none"> 1. The value of the system variable *UBOUND or *LBOUND is undefined if the corresponding X-array is not materialized (i.e. occurrences are not allocated). <p>The system variable which caused the error is shown in the error message.</p> |
| Actn. | Allocate occurrences of the corresponding X-array with the REDUCE/EXPAND/RESIZE statement before referencing *UBOUND or *LBOUND. |

NAT1257: Access to a non-materialized X-array field not permitted.

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| Text | Access to a non-materialized X-array field not permitted. |
| Expl. | An X-array is an array field with an alterable number of occurrences. At runtime, an X-array is empty by default. It does not have any accessible occurrences, unless they were allocated before with an explicit EXPAND .. ARRAY statement. |
| Actn. | Allocate X-array occurrences with EXPAND .. ARRAY statement. |

NAT1300: Negative exponent not allowed.

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| Text | Negative exponent not allowed. |
| Expl. | Natural performs an exponentiation via repetitive multiplication. Negative exponents are not permitted. |
| Actn. | Use only positive exponent values. |