

# Natural System Error Messages 1251-1300

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

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"> <li>1. The size value must not be negative.</li> <li>2. The size value must not exceed 1 gigabyte.</li> </ol> <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:.

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"> <li>1. The fixed bound value must not be changed.</li> <li>2. The number of occurrences must not be negative.</li> <li>3. The number of occurrences must not exceed 1073741824.</li> </ol> <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.

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"> <li>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).</li> </ol> <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.**

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.**

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