

## MicroTESK - Bug #7251

### A warning or error is needed when a value is truncated

05/25/2016 01:30 PM - Andrei Tatarnikov

<b>Status:</b>	Rejected	<b>Start date:</b>	05/25/2016
<b>Priority:</b>	High	<b>Due date:</b>	
<b>Assignee:</b>	Artem Kotsynyak	<b>% Done:</b>	0%
<b>Category:</b>	nML Translator	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	2.5	<b>Spent time:</b>	0.00 hour
<b>Detected in build:</b>	svn	<b>Published in build:</b>	
<b>Platform:</b>			

#### Description

Constant expressions are cast to nML types depending of the context. For example, in expressions of kind "VARIABLE operator CONSTANT", CONSTANT is cast to the type of VARIABLE. If CONSTANT is larger than can be represented by the type, its higher bits are truncated. This can lead to unexpected results. For this reason, in such situations a warning or an error must be generated.

Example:

In "x + 32" where x has type card(5), 32 gets truncated to 0.

#### History

##### #1 - 01/15/2020 01:19 PM - Alexander Kamkin

- Target version changed from 2.3 to 2.5

- Assignee changed from Andrei Tatarnikov to Alexander Kamkin

##### #2 - 01/21/2020 05:18 PM - Alexander Kamkin

- Assignee changed from Alexander Kamkin to Artem Kotsynyak

##### #3 - 01/31/2020 10:22 AM - Alexander Kamkin

- Status changed from New to Rejected

Duplicates [#9472](#)