

An Event-B Specification of WellCommented

This project is used to verify that rendering of complicated and long comments work.

1	CONTEXT Tale	2
1.1	STUFF	2
1.2	AAAA BBBB CCCC DDDD EEEE FFFF GGGG HHHH IIII maa mii	2
2	MACHINE Journey	3
2.1	<i>r x z</i>	3
2.2	About(<i>y</i>)	3

1.1

1.2

A machine comment. A complicated comment with $\# ! 4^5 x_y$ More of a comment. Now its done! Some inline tex: $\sqrt{123}$

Here I really want a newline. $x > 1 \Rightarrow maa > 0 \vee \top \Leftrightarrow \perp \forall x. x \in \mathbb{N} \rightarrow \mathbb{N}1 \times (\mathbb{Z} \setminus \{123\})$

SEES Tale

VARIABLES

2.1

x Fin variabel
 r En annan variabel
 z Z represents the unknown STUFF in the universe.

INVARIANTS

inv1: $x > 0$ A comment.
inv2: $x > 0 \vee x > 0 \vee x > 0 \vee x > 3$ Helpful stuff comment with comments en masse.
 $\vee x > 0 \vee x > 0 \vee x > 4$
 $\vee x > 0 \vee x > 0 \vee x > 5$
 $\vee x > 0 \vee x > 0 \vee x > 6$
 $\vee x > 0 \vee x > 0 \vee x > 7$
 $\vee x > 0$
inv3: $r \in 1..99$
The third invariant needs a lot of explanation. For example it $5 \times \sqrt{4}$ is not good. Must exemplify better.
inv4: $x > 0 \vee x > 0 \vee x > 0 \vee x > 0 \vee x > 0 \vee x > 0 \vee x > 0 \vee x > 0 \vee x > 0 \vee x > 0 \vee x > 0 \vee x > 0 \vee x > 0 \vee x > 0$
Another interesting comment·a lot of text indeded. Will the line break eventually?
Another line.
inv5: $z \in \text{STUFF}$

EVENT INITIALISATION

THEN

init1: $x := maa$
init2: $r := 2$
init3: $z := \text{HHHH}$

END

EVENT About

2.2

ANY

y

WHERE

grd1: $y = 1 \mapsto 2 \quad y = 1 \mapsto 2$
grd2: $\forall y. y \in \mathbb{N} \Rightarrow y > 0$

THEN

act1: $x := 2$
Comment $x := 2$ Another $x := 2$ Third $x := 2$

END

About, 3

INITIALISATION, 3

Journey, 3

r, 3

Tale, 2, 3

x, 3

z, 3