

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. $x > 1 \Rightarrow \text{maa} > 0 \vee \top \Leftrightarrow \perp \forall x \cdot x \in \mathbb{N} \rightarrow \mathbb{N}1 \times (\mathbb{Z} \setminus \{123\})$

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 ∨ x > 0 ∨ x > 0 ∨ x > 3
      ∨ x > 0 ∨ x > 0 ∨ x > 4
      ∨ x > 0 ∨ x > 0 ∨ x > 5
      ∨ x > 0 ∨ x > 0 ∨ x > 6
      ∨ x > 0 ∨ x > 0 ∨ x > 7
      ∨ x > 0

```

Helpful stuff comment with comments en masse.

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.

$$\text{inv4: } x > 0 \vee x > 0 \vee x > 0 \vee x > 0 \vee x > 0 \vee x > 0 \vee x > 0 \vee x > 0 \vee x > 0 \vee x > 0 \\ 0 \vee x > 0 \vee x > 0 \vee x > 0 \vee x > 0 \vee x > 0 \vee x > 0$$

Another interesting comment: a lot of text indeded. Will the line break eventually? Another line.

inv5: $z \in \text{STUFF}$

EVENT INITIALISATION

THEN

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

END

EVENT About

2.2

ANY

 y

WHERE

grd1: $y = 1 \mapsto 2$ $y = 1 \mapsto 2$
 grd2: $\forall y. y \in \mathbb{N} \Rightarrow y > 0$ Make y non-free! %\#\//xyz__

THEN

act1: $x := 2$

Comment x := 2 Another x := 2 Third x := 2

END

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x, 3

z, 3