2 Michael J. C.

## 2.2. Machine processable semantics

The current Sugar 2.0 document is admirably clear, but it is informal mathematics presented as typeset text. Tool developers could beney.295  $7.9928\ 0$  Tfromxt.

"b"

Validating Sugar

With the rst approac

(M; 
$$\mathbf{j}^{\mathbb{C}}$$
 f)

(M; j = f)
and the strong clocking by de ning
(M; j = f)
The complete semantics is given in the appendix, but here is the semantics of boolean expressions b:

$$((M; j \stackrel{C}{=} b) = 8i \ 2 pl \ . (M(M))$$

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translating the typeset semantics into HOL. We had carefully and

((M; **j**⊆!