MAlice Language Specification

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October 28, 2010

1 Introduction

2 BNF Grammar

Program	→	Statements Output
Statements	→	Statement Terminator Statements | ϵ
Terminator	→	, | . | and | but | then
Output	→	Alice found Exp .
Statement	→	Id was a Type Too
	|	Id became Exp
	|	Id ate
	|	Id drank
Type	→	number
Too	→	too | ϵ
Exp	→	Exp | Exp1
	|	Exp ^ Exp1
	|	Exp & Exp1
	|	Exp1
Exp1	→	Exp1 + Exp2
	|	Exp2
Exp2	→	Exp2 * Exp3
	|	Exp2 / Exp3
	|	Exp2 % Exp3
	|	Exp3
Exp3	→	~Val | Val
Val	→	*Int* | *Id*

3 Semantics

3.1 Statements

1. This is item 1.

2. And this is item 2.

And here is a bulleted list.

- The parts of the list are called items here too.

Finally for this document, if you want to include a reference then you put it into a `thebibliography`{...} environment (see below in source file) and then cite it like this [1] (you will need to run `latex` twice to get it to process the citation), or you can use BibTex but that is probably overkill for now.

References

[1] Leslie Lamport, *LATEX: A Document Preparation System.* Addison Wesley, Massachusetts, 2nd Edition, 1994.