

# MAlice Language Specification

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## 1 Introduction

This is an *introductory comment*. L<sup>A</sup>T<sub>E</sub>X can typeset some very complex documents, but it is also **quite easy to get started**. Try playing around with this file and see. Don't worry that this page looks very spaced out, L<sup>A</sup>T<sub>E</sub>X arranges the page for you (much less work to do than in Word!) so if there was more content it would close up the gaps.

To start a new paragraph just leave a blank line. If you do not like numbered sections, use the `section*{...}` environment instead.

## 2 BNF Grammar

The verbatim environment outputs the source without changing it in any way.

```
This
    includes line breaks
and indentation.
It is useful to reproduce code snippets.
```

To include maths formulas in text put them between \$ symbols like this  $f(x) = x \times 5$ . Or to display a formula on a line on its own you do this:

$$g(y) = y^2$$

## 3 Semantics

Here is a numbered list.

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, *L<sup>A</sup>T<sub>E</sub>X: A Document Preparation System*. Addison Wesley, Massachusetts, 2nd Edition, 1994.