NetList Documentation

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[1]document compiled by Xin Wang

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1   Introduction

According to the provided project briefing, a netlist describing the circuit will be provided in a file using a reduced SPICE format. It is required by the team to formulate an approach to read the file and store the information in a comprehensible data structure.

This document will research the format of the SPICE netlist and explore the different approaches in storing the information a certain way. This document is primarily used for planning the most effective way to approach the problem.

2   SPICE NetList format

Source file for any version of SPICE has the following format [1].

```
TITLE
ELEMENT
.MODEL STATEMENTS
ANALYSIS COMMANDS
OUTPUT COMMANDS
.END
```

References

[1] Phyllis R. Nelson. *Introduction to spice source files*. DOI: `https://www.cpp.edu/~prnelson/courses/ece220/220-spice-notes.pdf`.