Turing Completeness of Neural Networks

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Abstract

Neural networks are a powerful machine learning tool that can be used for a wide range of tasks, from image classification to natural language processing. At their core, neural networks are composed of interconnected nodes that process and transmit information. But are they Turing complete? In this paper, we will explore the Turing completeness of neural networks and the implications of this property for their use in computation.

1 Introduction

> *A neural network is the second best way to solve any problem. The best way is to actually understand the problem.*
>
> *Unknown*

Neural Networks are

2 Methodology

Insert methodology here.

3 Results

Insert results here.

4 Discussion

Insert discussion here.

5 Conclusion

Insert conclusion here.