

Errata for the Neural Networks 2021 paper  
“Learning Hierarchically-Structured Concepts”  
by Lynch and Mallmann-Trenn

Nancy Lynch and Frederik Mallmann-Trenn

January 10, 2024

1. p. 7:

In the list of network parameters, the parameter  $n$  represents the total number of concepts in all of  $D_0$ , not the number in a particular concept hierarchy as in the current explanation. To fix this, replace the explanation for  $n$  with:

“ $n$ , a positive integer, representing the number of distinct inputs the network can handle. This is intended to match up with the parameter  $n$  in the data model, where it represents the total number of level 0 concepts, i.e.,  $|D_0|$ .”

2. p. 11:

In the definition of the weights of edges near the top of p. 11, in the top line within the braces, the letters  $u$  and  $v$  were interchanged. The condition should read “if  $rep^{-1}(u) \in children(rep^{-1}(v))$ ”.