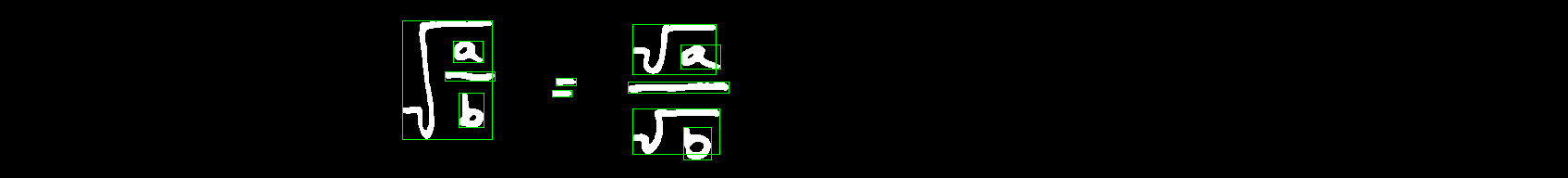
# A hybrid approach in structural analysis of handwritten math equations combining Euclidean distance and LSTM-RNN

**A brief introduction**

This part of the report assumes that the input image is perfectly segmented using connected components, for example:



Note that here the equal sign (=) is separated into two dash-like (-) signs, but it is called perfectly segmented and our next step, the structural analysis, is going to try to merge it into an equal sign.

**The Concern**