CPSC 530 - Information Theory and Security
Group 17 Project Quiz

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Mar. 26th, 2023

Quiz Questions and Answers

Q1: What specific type of Binary Tree is used in the implementation of the BCCBT Data Compression Algorithm? Describe at least one discussed property of this type of Binary Tree.

A1: The specific type of Binary Tree used is a **Complete Binary Tree**. The relevant properties of this type of Binary Tree that will be discussed during our presentation are as follows.

- In a Complete Binary Tree all levels, EXCEPT potentially the last level, are completely full.
- In a Complete Binary Tree nodes are filled in from left to right at each level.
- In a Complete Binary Tree the number of nodes at level n is 2^n.