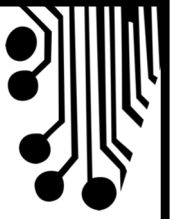


HUFFMAN



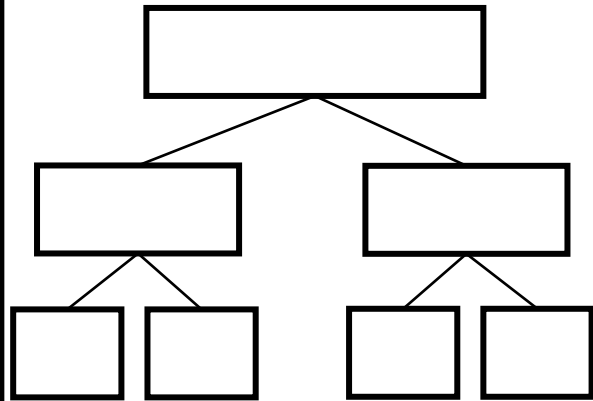
Huffman Encoding is a type of lossless compression for text.

ENCODING

Compression

The string 'lossless' has repeated characters so is a good example

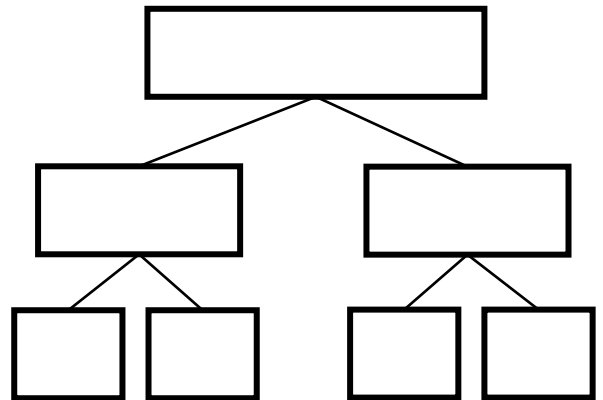
BINARY TREE



Huffman creates unique bit patterns for each character that can't be confused with another character

String "LOSSLESS"

BIT PATTERN



FREQUENCY TABLE

The starting table looks like:

- O - 1
- E - 1
- L - 2
- S - 4

The frequency table is a good way to keep track of which character to add next

