Compression (SNLP tutorial 4)

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Organisation

TODO

Compression

TODO

Encoding

Task

Create coding (into binary) for the following recipe: apple apple banana cherries apple dark_chocolate eggplant banana cherries banana ...























Encoding

Task

Create coding (into binary) for the following recipe:

apple apple banana cherries apple dark_chocolate eggplant banana cherries banana ...



Fixed-width encoding













Issues?

- Encoding for and ??
- What do 110 and 111 mean?

Encoding - Huffman



Huffman Bonus

- When will the Huffman tree be balanced?
- How do we store the tree? Does the efficiency of this matter?
- Are there undefined sequences of bits when using Huffman encoding?
- Does the result of Huffman encoding depend on the text ordering?
 - E.g. *** *** vs. *** *** ****
- Can there be two equally good Huffman encodings?

Resources

Twitter emojis