

Lempel Ziv Compression

remember to work in bits

- adaptive dictionary coder
- going to have # & code

Make a dict w/ a tree

- trie (can be a lookup table instead, it's faster)
 - "prefix tree"

- good w/ long prefixes ex: th; qu.
- look for strings

Predict the next letter
w/ $\$$ & encode string
ex: ab a b a b a
 ↑

2	a
3	b
4	ab
5	abc

cannot compress randomness

bc cannot compress entropy

↑
measure of
predictability

