1. The language uses 2 tone for distinguishing.

2. Why only 2 tones for indicating duration?

"Allocate more bits for disambiguation."

- Memory (mnemonics)
  - Long pattern: recognize context
  - The devil, the little one that sings "Koko"
  - Koko clone is back into

- Four Ambiguous

- Song: Ko Koko
  - Moon
  - Father

Hi, Koko
Demodulator / Modulator

Waveform

Tone

0101 101 1
1100 001 0
0100 001 0
1000 001 0

7 bits per symbol, A, a, 1, 0

International Interchange (ASCII)

American Standard Code for

Text

I High print as
T Low print as
0 Blank

1 = Fundamental unit of NEC
II $\rightarrow$ H H H I H I H H $\leftarrow$ X

III $\rightarrow$ H H H I H I H $\leftarrow$ X

Remark (redundancy)

Less reliable

Remove redundancy

More reliable

Add redundancy

Repetiton (repetition)

RTS $\rightarrow$ TONES

Early data communication: Phone system
Tackle false realistic

Encore!

It's E.L.S.
Number of bytes
Rule: Always even
- Even parity

\[
\begin{bmatrix}
1 & 0 & 0 & 0 & 1 & 1 \\
1 & 1 & 0 & 0 & 0 & 0 \\
1 & 0 & 0 & 0 & 0 & 0 \\
1 & 0 & 0 & 0 & 0 & 0 \\
\end{bmatrix}
\]

Send
If you can read this, then fail!

Isn't it a job we'll pay!

Remove/Minimize redundancy

Text, come to transmission.

On average, minimize long codes

Least used letters - most used letters

Short codes - mouse code
3. Remove redundancy, 
  
3. Simplify, 
  
2. Add redundancy, 
  
1. Talking during important speech

Summary: 
  Ch 4
Expressions

Experiences → Experience → Describe → Write

Writing does not directly record
Writing - experience memory
Memory not recordable
Writing - persistence
Literacy culture
Graphic culture
Read Ch. 2: The Persistence of the Word.
ARISTOTLE

SOCRATES - WRITING MAKES PEOPLE LAZY & STUPID

PLATO

ARISTOTLE - WRITING EXPANDS OUR POWERS OF THOUGHT

NEW SINGULARITY - CONNECTEDNESS THINK ABOUT IT WHILE YOU READ CH 2.