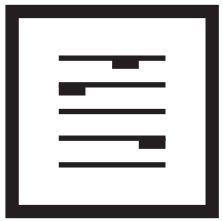
MAPPING PROCESS

01.
TEXT ANALYSIS



Selection of themes and keywords.

We defined themes and keywords for each section of the text, according with what was important to highlight in each one.

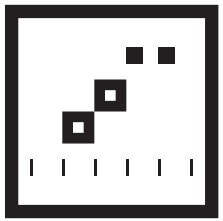
Example:

- ‘transmutabilidade’, words start with ‘trans’
- complementary principles
- ‘dados’
- word related with digital/computational
- word related with visualization/sonification

O conceito de transmutabilidade dos dados digitais refere-se ao mapeamento de um conjunto de dados de entrada em som e imagem (Levin, 2009). Falamos de trabalhos que geram som e imagem a partir de uma fonte de informação externa que não é audiovisual. O princípio que gere a ideia de transmutabilidade é a premissa de que toda a informação pode ser algoritmicamente sonificada ou visualizada.

* the original text was written in portuguese
** the process for the third section is different, given that the visualization departs from the tables and diagrams produced.

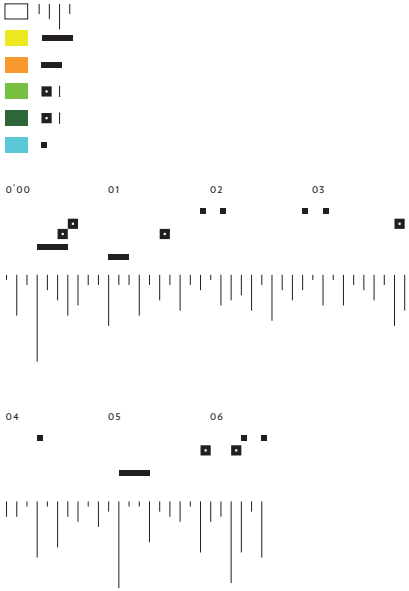
02.
VISUALIZATION



Visual notation of the text with graphic symbols.

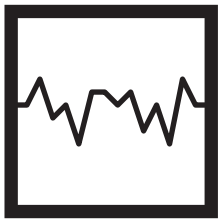
We defined a graphic symbol for each color used to highlight the text, and also counted the number of words and characters of each word.

Example:



* the counting of words is represented by the numbers above the symbols, and the number of characters of each word is represented by the vertical lines.

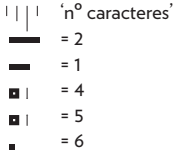
03.
SONIFICATION



Algorithmic composition based on the visualization.

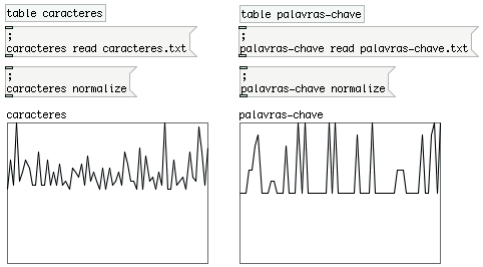
We defined a numeric value for each symbol, creating different lists. These were used to model sound parameters in Pure Data.

Example:



nº caracteres: 1 8 2 17 3 5 8 6 2 2 10 2 2 8 2 5 2 7 2 3 1 6 5 4 7 2 9 3 5 3 1 6 1 6
2 3 5 2 10 7 3 3 1 11 1 9 3 4 1 5 2 17 1 1 8 2 3 4 1 10 4 3 16 10 2 11

palavras-chave: 0 0 0 2 2 4 5 0 0 0 1 1 0 0 0 4 0 0 0 6 0 6 0 0 0 0 0 0 0 6 0
6 0 0 0 0 0 0 5 0 0 0 0 6 0 0 0 0 0 0 0 0 0 2 2 2 0 0 0 0 0 5 0 0 5 6 0 6



04.
AUDIOVISUAL SEQUENCE

Combination of the visualizations and sonifications.