Algorithm *Sender*

Step 1: Select a text, *key*:=∅   // Initially, *key* is empty

Step 2: Read the text word-by-word

    for each read word in the text **do**

        if the word is selected **then**
        // Processing of the selected word.
        // The selection of a word will be done using a random function, i.e.,
        // if the outcome of the random function is 1 then the word will be
        // selected else it will not be selected

        ask the admin for the new target meaning to the selected word

        if the selected word does not appear in the *stego_table* **then**

          insert the selected word in the *stego_table*

          assign the target meaning to the selected word in the *stego_table*

        else // the selected word appears in the *stego_table*

          if (old target meaning of the selected word) ≠
          (new target meaning of the word) **then**

            replace the (old target meaning of the word) by the

                (new target meaning of the word) in the *stego_table*

          endif

        endif

        append(line_number(selected word),*word_number* (selected word)) at the
        end of the *key*

        // *line_number*(selected word) will be represented by the corresponding
        // character in the ASCII code table. Exp: the number 82 will be represented
        // by the character 'R'
      endif

    endfor

    ask the admin for the phrase to insert at the bottom of the text

    insert the given phrase at the bottom of the text

    append the *key* at the end of the inserted phrase.

Algorithm *Receiver*

// So, the *key* is a list of pairs of the form:
(*line_number*(selected word),*word_number* (selected word))
// *line_number*(selected word) is represented by the corresponding
// character in the ASCII code table.

Read the *key* pair-by-pair

    for each pair (*line_number*(word),*word_number* (word)) in the *key* **do**

        // Extraction of the corresponding selected word from the received text

        Go to line number ASCII_*code*(*line_number*(word)) in the received text

        Go to the word number *word_number* (word) in line number
        ASCII_*code*(*line_number*(word))

        Copy the extracted word in the file *Selected_words*

    endfor

    for each extracted word in the file *Selected_words* **do**

        use the *stego_table* to have its target meaning

    endfor

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