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Algorithm 1: The confusion function algorithm
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Input: S = [W_1, W_2, ..., W_n], single sub-scripted text array of maximum size 100 words, matrix to be
        N = non-negative value \leq \hat{S} items number, refers to the number of words that have to be changed
Output: \hat{S} = [\hat{W}_1, \hat{W}_2, ..., \hat{W}_n], single sub-scripted text array of maximum size 100 words, matrix to be
          generated.
initialization \hat{S} = S;
\quad \text{for } N \text{ do}
    Error - type1 = 40\% of N
     for Error - type1 do
        Select a random word in \hat{S} = W_i
          Add W_i in the index of W_{i+1}
          Update \hat{S}
    end
    Error - type2 = 40\% of N
     \mathbf{for}\ Error-type2\ \mathbf{do}
        Select a random word in \hat{S} = W_i
          Delete W_i
          Update \hat{S}
    end
    Error - type2 = 10\% of N
     for Error - type 3 do
        Select a random word in \hat{S} = W_i
          Decomposing word W_i to an array of characters = [C_1, C_2, ..., C_n]
          for W_i = [C_1, C_2, ..., C_n] do
             Select a random character in [C_1, C_2, ..., C_n] = C_i
              Add C_i in the index of C_{i+1}
              Composing [C_1, C_2, ..., C_n] to \hat{W}_i
        Overwrite \hat{W}_i with in \hat{S} in the index of W_i
          Update \hat{S}
    end
    Error - type2 = 10\% of N
     for Error - type4 do
        Select a random word in \hat{S} = W_i
          Decomposing word W_i to an array of characters = [C_1, C_2, ..., C_n]
          for W_i = [C_1, C_2, ..., C_n] do
             Select a random character in [C_1, C_2, ..., C_n] = C_i
              Delete C_i
              Composing [C_1, C_2, ..., C_n] to \hat{W}_i
        end
        Overwrite \hat{W}_i with in \hat{S} in the index of W_i
          Update \hat{S}
    end
end
```