ALGORITHM_MAKEHAIKU (S)

      // Input: Array, S, contains a list of strings (each one word)
      // representing the sentence to be tested.

1.   **set** $sylTotal = 0$
2.   **set** $line = 1$
3.   **set** $endIndex = 0$

4.   **for** $i = 0$ **to** $S.length - 1$:
5.   **set** $word = S[i]$
6.   **set** $syl = word.countSyllables()$

7.   **if** $line == 1$:
8.   **if** $sylTotal == 5$:
9. $line + +$
10.   **else if** $sylTotal > 5$: // if syllable total is greater than 5 but still at line 1
11.   **break**
12.   **else if** $line == 2$:
13.   **if** $sylTotal == 12$:
14. $line + +$
15.   **else if** $sylTotal > 12$:
16.   **break**
17.   **else:**
18.   **if** $sylTotal == 17$:
19. $endIndex = i$
20.   **break**
21.   **else if** $sylTotal > 17$:
22.   **break**

23.   **if** $sylTotal == 17$: // Vaid haiku! build string and return
24.   **set** $haikuStr = S[0...endIndex].join()$
25.   **return** $haikuStr$
26.   **else:** //If loop ends with syllable total not equal to 17, S is NOT valid haiku
27.   **return** $"Error"$