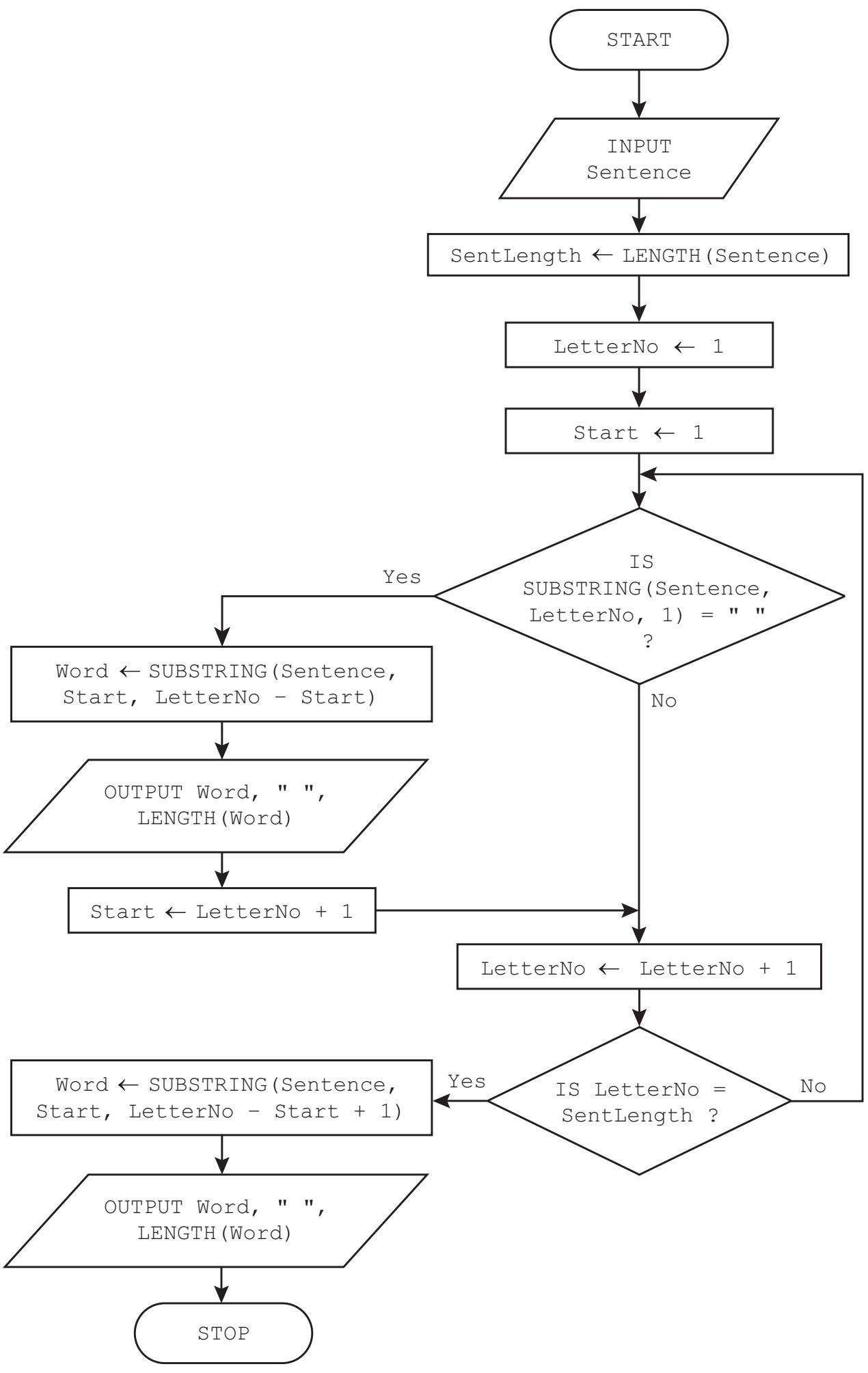
6 This flowchart represents an algorithm.



© Cambridge University Press & Assessment 2026

(a) Complete the trace table for the algorithm, using the given sentence.

Note: the start position of the sentence is index 1.

Sentence	SentLength	LetterNo	Start	Word	OUTPUT
Computing is fun	16				

[5]

(b) Explain the purpose of the algorithm shown by the flowchart.

.....

.....

.....

.....

.....

..... [3]

© Cambridge University Press & Assessment 2026 [Turn over

(c) As currently written, the algorithm may be difficult to understand if it was used as a program.

Identify **three** improvements that could be made to the algorithm to make it more user friendly.

.....

.....

.....

.....

.....

..... [3]

© Cambridge University Press & Assessment 2026