Junior Computer Science

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Spelling Rule Algorithm

Adjectives to Adverbs

Module Aim

An activity to reinforce spelling rules using computing science concepts. This could be used as a homework activity or as an alternative strategy within a literacy lesson. Pupils convert a spelling rule into a flowchart algorithm or use a flowchart algorithm to work out which spelling to use.

Time to complete each activity

10-15 minutes

Computer Science Concepts

An algorithm is a step by step list of instructions or rules to accomplish something

Rules are easy things to convert into algorithms

Conditional Selection in a flow chart algorithm is represented as a decision diamond

Converting Algorithm to Code

All of these algorithms can be converted into code using a programming language, such as Python, that works well with string manipulation. For primary pupils these are best left as algorithms.

Literacy Aims

Further pupils understanding of the spelling rules

National Curriculum Programs of Study

Pupils should be taught to:

- design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts
- use sequence, selection, and repetition in programs; work with variables and various forms of input and output
- **use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms** and programs

Variety

Some rules have more than one activities so you may match them to pupils abilities or your time needs.

Page 2

Pupils have to part complete the flowchart before testing it with suitable words.

Page 3

Like page 2 but the final process is filled in which makes this easier than page 2

Page 4

Pupils only need to use the flowchart to test the words.

Page 5

Answer Sheet

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Adjectives to Adverbs

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Information

Adjective– Word that describes a noun

Adverb– Word used to give information about a verb, adjective or other adverb

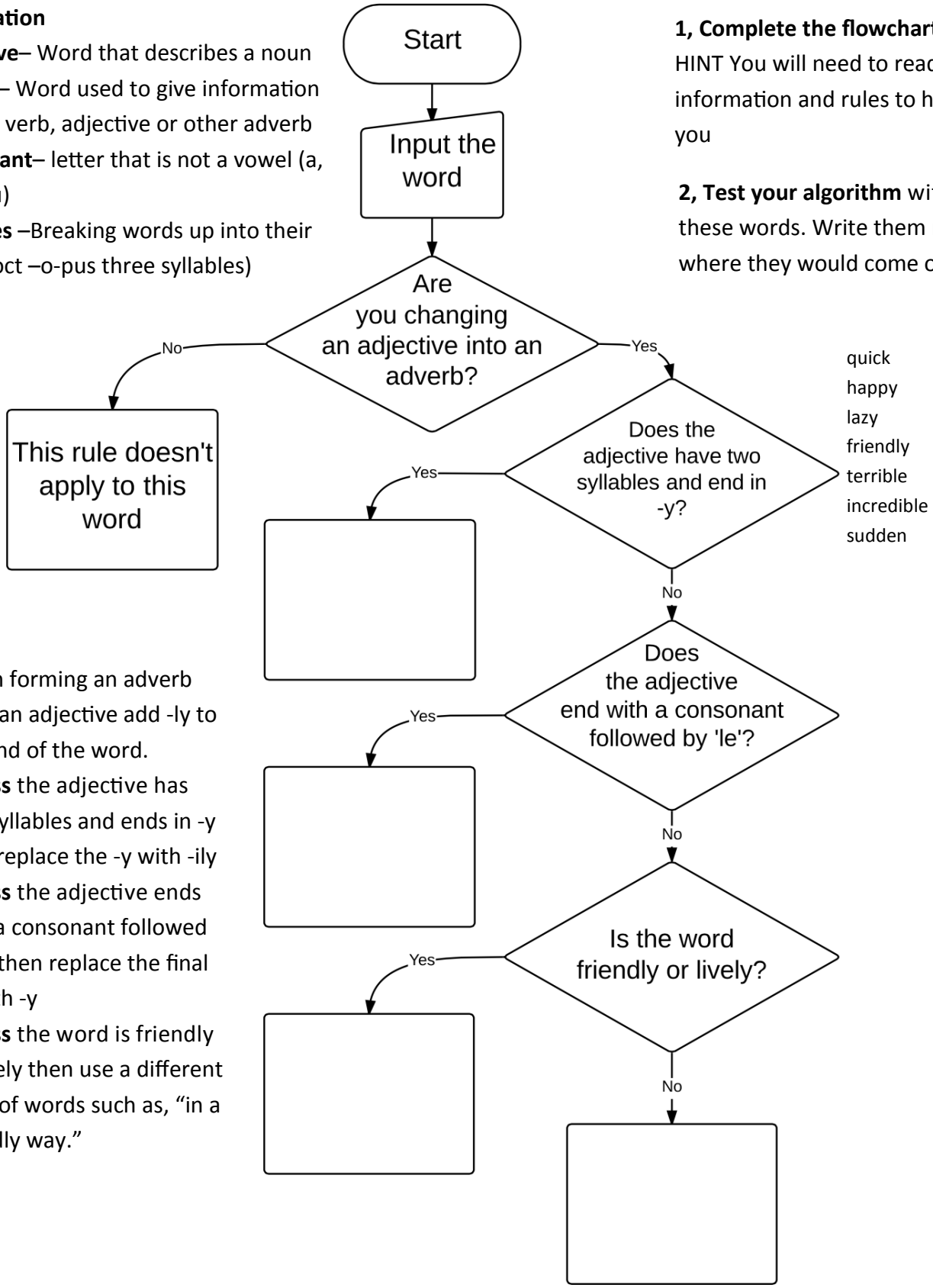
Consonant– letter that is not a vowel (a, e, i, o, u)

Syllables –Breaking words up into their beats (oct –o-pus three syllables)

1, Complete the flowchart

HINT You will need to read the information and rules to help you

2, Test your algorithm with these words. Write them near where they would come out.



quick
happy
lazy
friendly
terrible
incredible
sudden

Rules

When forming an adverb from an adjective add -ly to the end of the word.

Unless the adjective has two syllables and ends in -y then replace the -y with -ily

Unless the adjective ends with a consonant followed by le then replace the final -e with -y

Unless the word is friendly or lively then use a different form of words such as, “in a friendly way.”

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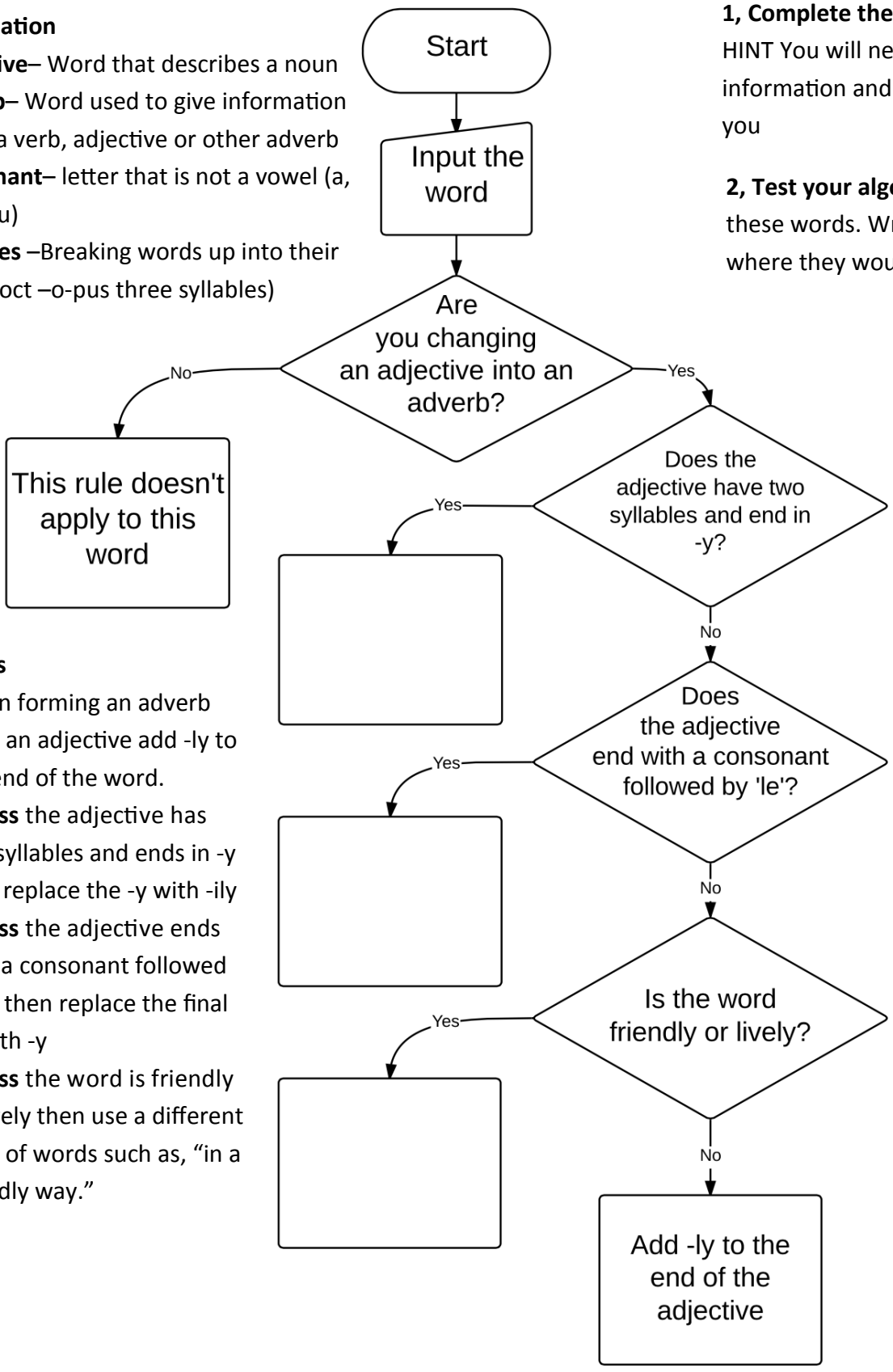

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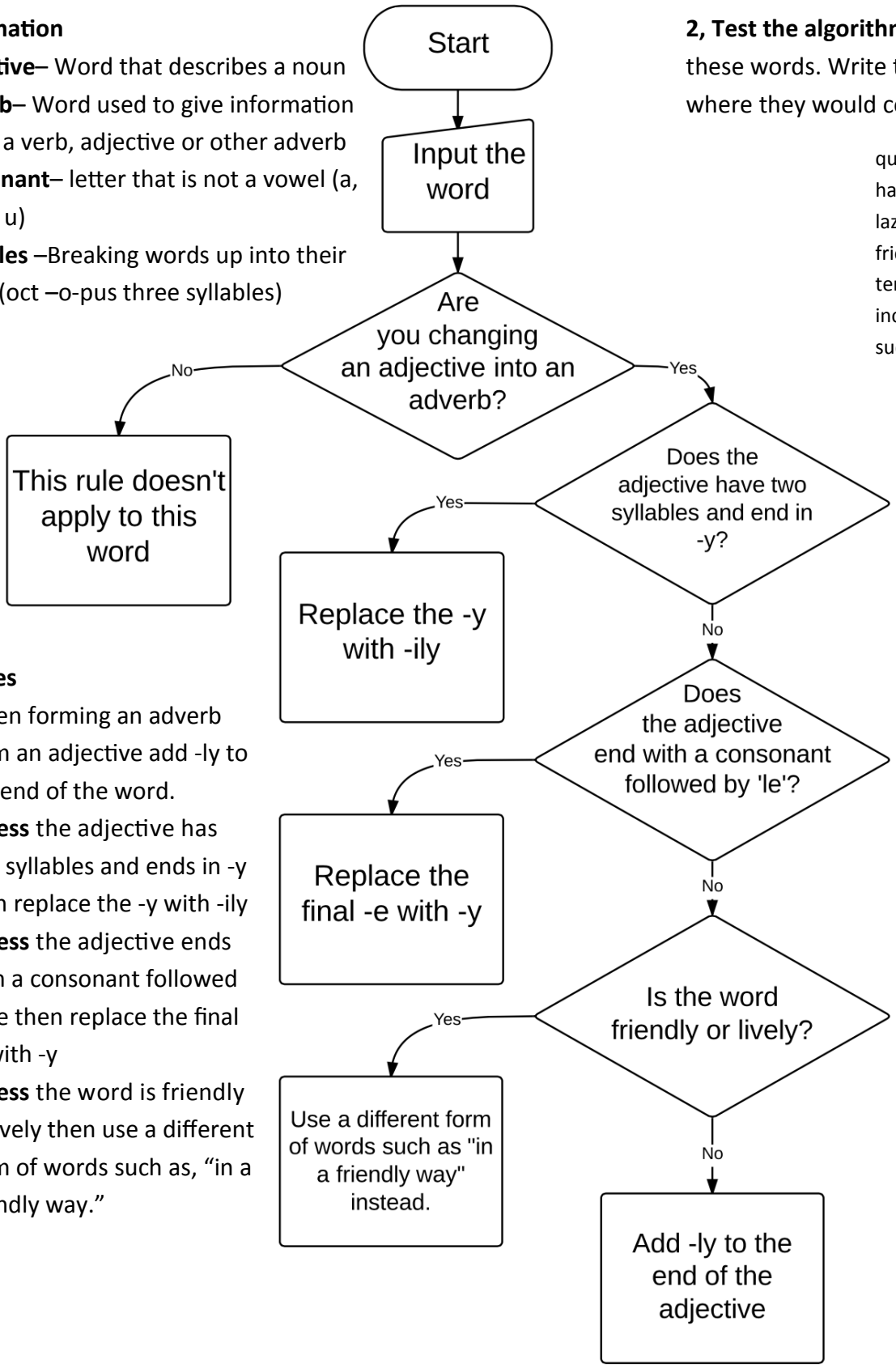

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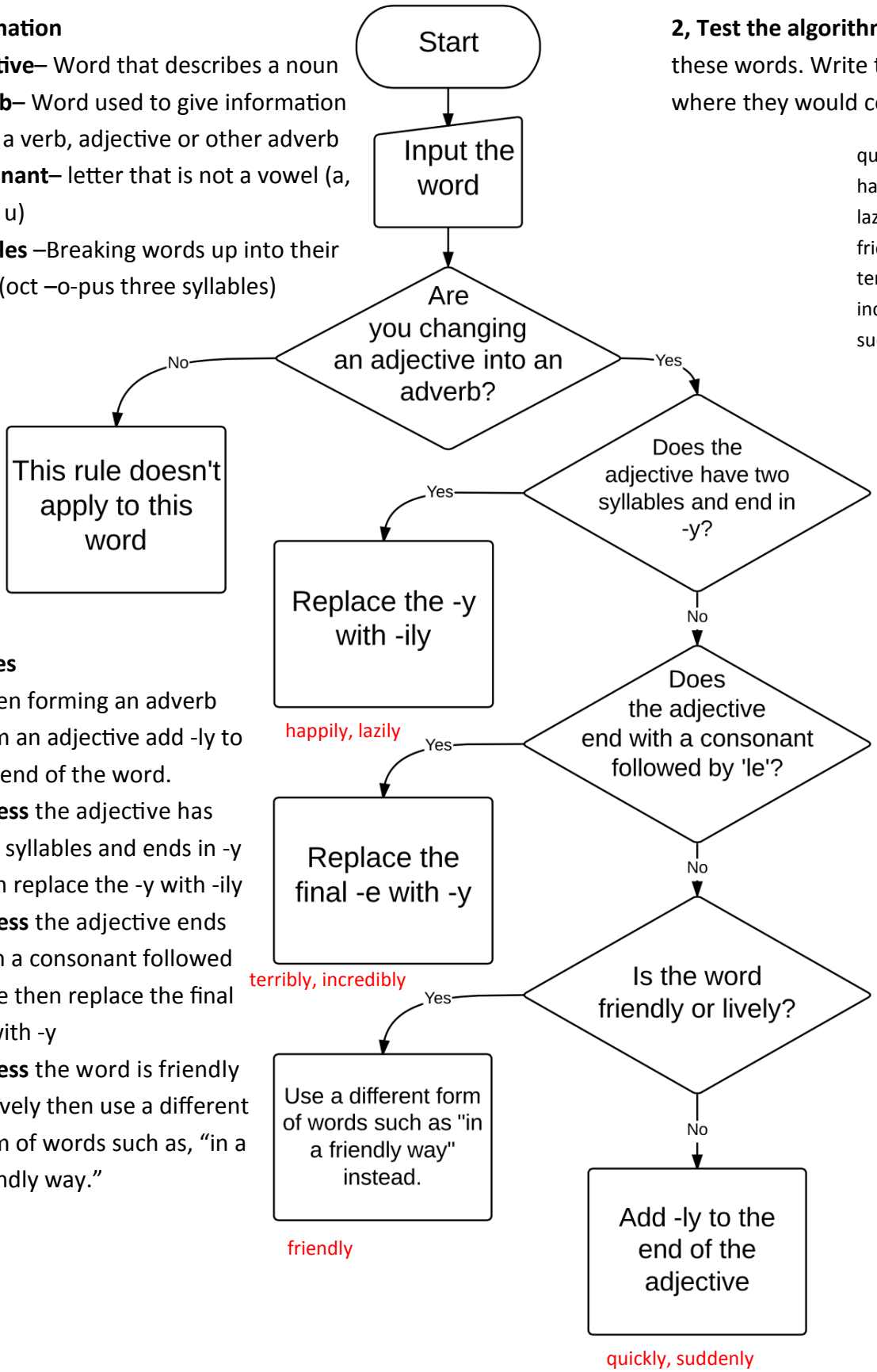

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