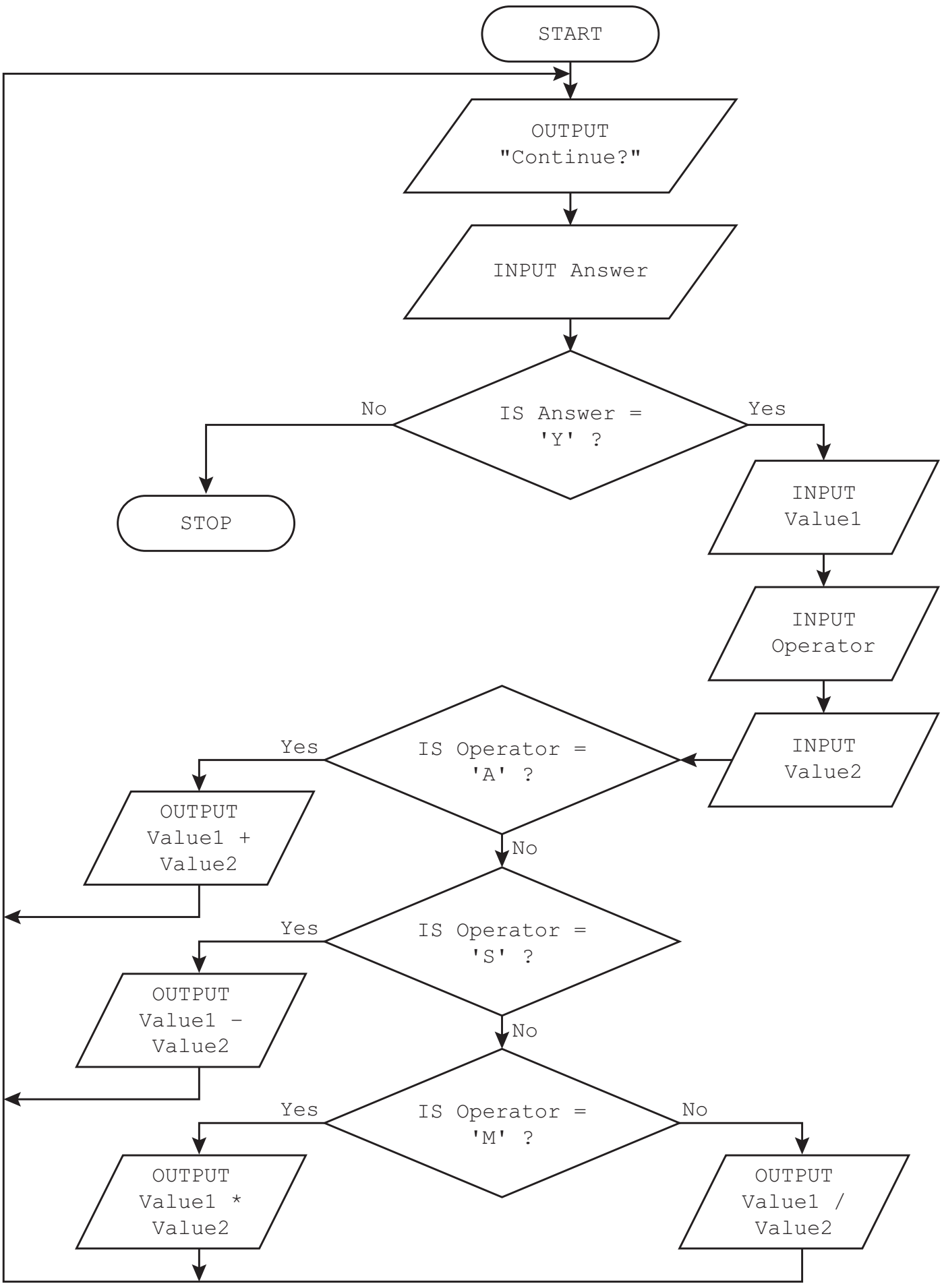
7 This flowchart represents an algorithm.



(a) Complete the trace table for the input data:

Y, 7, S, 9, Y, 5, M, 12, Y, 25, D, 5, N, 10, A, 6

Answer	Value1	Operator	Value2	OUTPUT

[5]

(b) State the purpose of the algorithm on **page 6**.

..... [1]

(c) There are problems with the given algorithm. If the lower-case letter 'y' is entered for `Answer`, the algorithm stops and if a lower-case letter is entered for `Operator`, the algorithm gives an incorrect output.

(i) Explain how you would change the algorithm to prevent the problems described.

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..... [3]

(ii) Identify **one** more error related to inputs when the algorithm is run.

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..... [1]