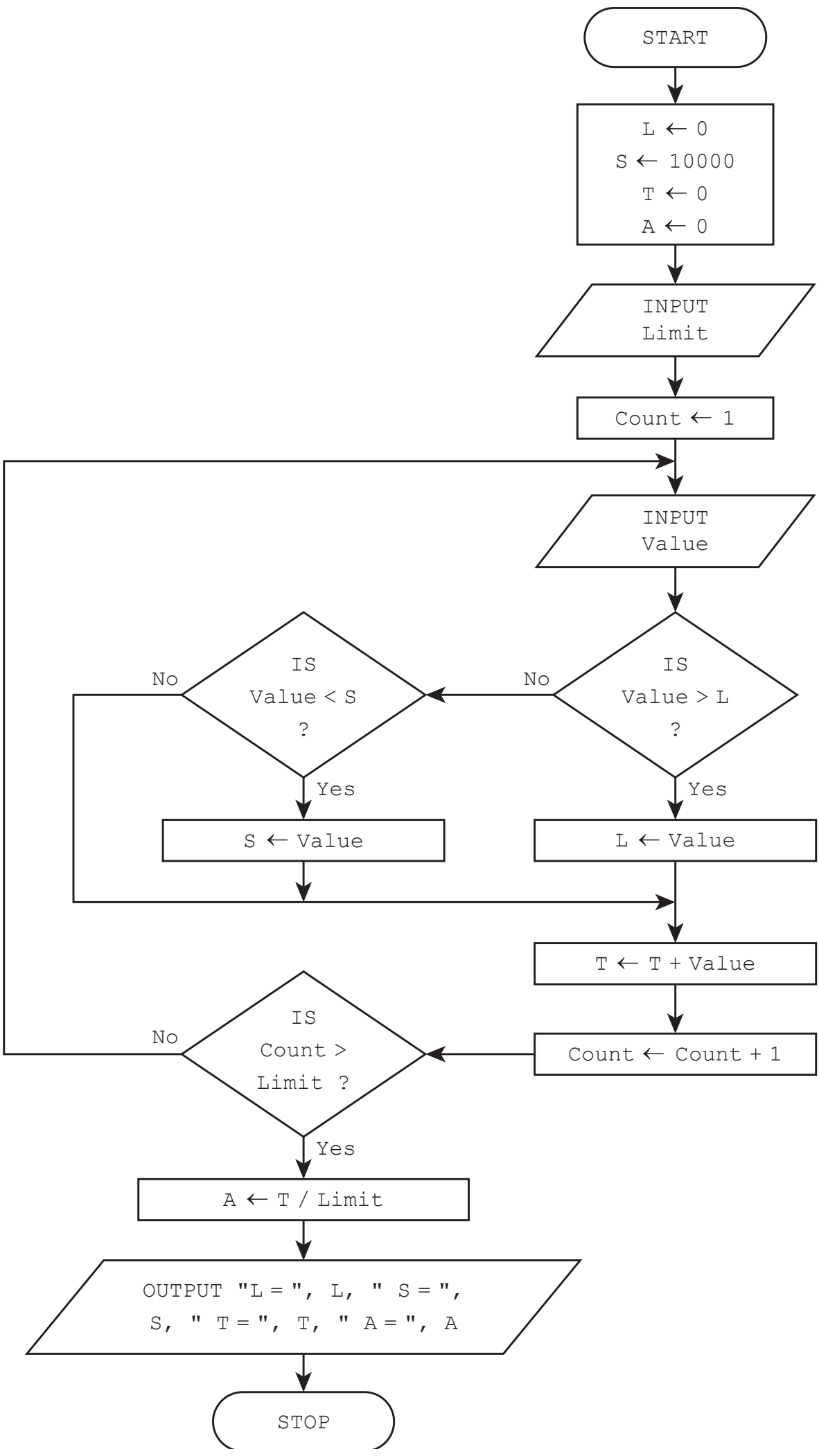
5 The flowchart represents an algorithm.



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

10, 30, 18, 8, 25, 12, 17, 2, 50, 15, 5

L	S	T	A	Limit	Count	Value	OUTPUT

[6]

(b) Outline the purpose of the algorithm.

.....

.....

.....

..... [2]

(c) Explain why the identifiers `L`, `S`, `T` and `A` may **not** be appropriate to use as identifiers and how they could be improved.

.....

.....

.....

.....

.....

..... [3]

(d) State a more appropriate identifier for each of the variables `L`, `S`, `T` and `A`

Original identifier	Improved identifier
L	
S	
T	
A	

[2]