

- 5 A program has been written in pseudocode to input five numbers between 1 and 900 inclusive and store the highest number and the lowest number entered.

```

01  Lowest ← 900
02  Highest ← 1
03  FOR Count ← 1 TO 5
04      INPUT Number
05      IF Number < Lowest
06          THEN
07              Lowest ← Number
08      ELSE
09          IF Number > Highest
10              THEN
11                  Highest ← Number
12          ENDIF
13      ENDIF
14  NEXT Count

```

- (a) Complete the trace table for the algorithm using the following numbers:

563, 21, 376, 99, 400

Count	Number	Lowest	Highest

[4]

- (b) The algorithm does **not** work correctly.

State the reason why the algorithm does **not** work as expected and explain how the algorithm could be corrected.

Any code used must be fully explained.

Reason

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Correction

.....

[2]