3.

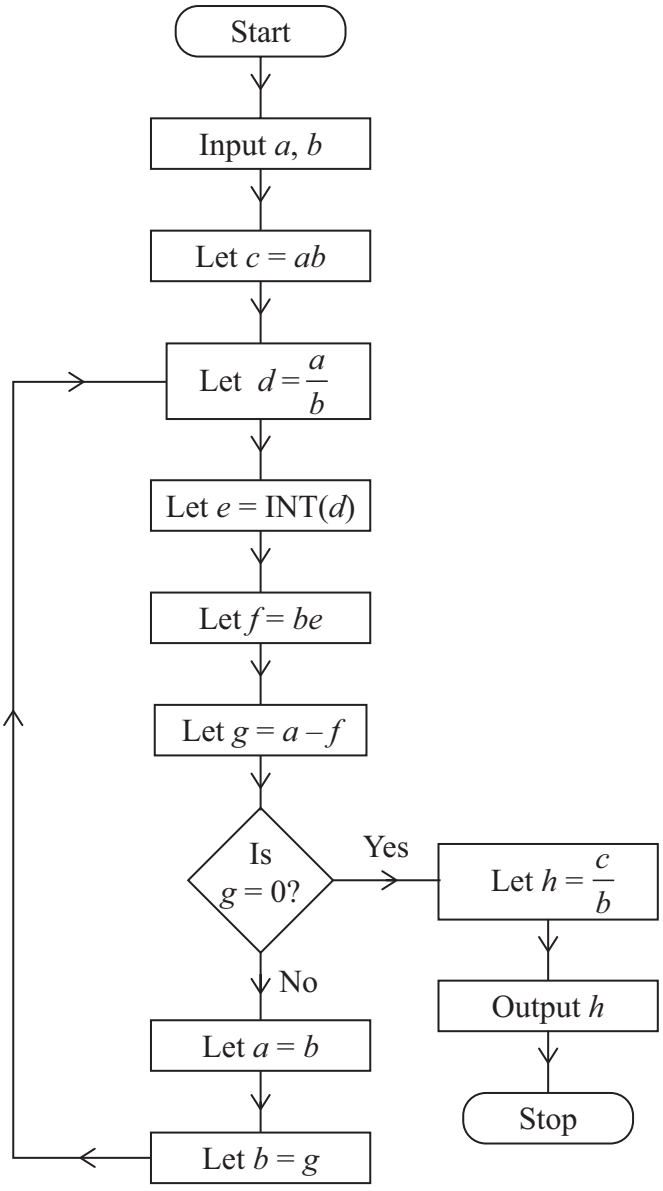


Figure 2

Figure 2 shows the flowchart for an algorithm.
The input for the algorithm is two positive integers.
The function INT(X) is the largest integer less than or equal to X

(a) Complete the table in the answer book, with $a = 1980$ and $b = 462$, showing the results at each step of the algorithm.

(4)

(b) Explain how the output, h, relates to the inputs, a and b

(1)

(Total for Question 3 is 5 marks)