

GAYATHRI

4AL19CS035

Algorithm

Step 1: Start

Step 2: Display

Enter the value for x_1 & y_1 (x_1/y_1)

Input x_1, y_1

Step 3: Display

Enter the value for x_2 & y_2 (x_2/y_2)

Input x_2, y_2

Step 4:

$$x_3 = (x_1 * y_2) + (x_2 * y_1)$$

Step 5:

$$y_3 = (y_1 * y_2)$$

Step 6:

$$\text{if } (x_3 > y_3)$$

$$\text{div} = y_3$$

else

$$\text{div} = x_3$$

Step 7:

Repeat for ($p = \text{div}$; $p > 0$; $p \rightarrow$)

if ($x_3 \cdot 1 \cdot p == 0$ & $y_3 \cdot 1 \cdot p == 0$)

$$x_3 = x_3 / p$$

$$y_3 = y_3 / p$$

Step 8:

Display sum of given two fraction &

$$x \cdot d / y \cdot d$$

output x_3, y_3

Step 9:

Stop

Flowchart

