Algorithm: Regula Falsi Method

- Read a. b, E
- If (f(a)*f(b) < 0) then

  Set m = $\left[\frac{a*f(b)-b*f(a)}{f(b)-f(a)}\right]$

  Set i = 1

  - While (|f(m)| > E) do

    Print i , a, b, m, f(m)

    - If (f(a)*f(m) > 0) then

      a = m
    - Else

      b = m

      End if
    - m = $\left[\frac{a*f(b)-b*f(a)}{f(b)-f(a)}\right]$
    - i = i + 1

    End while
  - Print i, a, m, f(m)

  End if
- Print (Root = m)

  END

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