Algorithm: Bisection Method

- Read a. b, E
- If (f(a)*f(b) < 0) then
  Set m = $\frac{a+b}{2}$
  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 = $\frac{a+b}{2}$
    - i = i + 1

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

  End if
- Print (Root = m)

  END

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