

# Algorithm: Fixed Point Iteration Method

- Read  $b, E$
- Set  $m = g(b)$
- Set  $i = 1$
- While (  $|b-m| > E$  ) do
  - Print  $i, b, m, |b-m|$
  - $b = m$
  - $i = i + 1$
- End while
- Print  $i, a, b, m, |b-m|$
- Print (Root =  $m$ )

END