```
                    ┌─────────────┐
                    │    START    │
                    └──────┬──────┘
                           │
                      ┌────┴────┐
                      │  I = 1  │
                      └────┬────┘
                           │
                   ┌───────┴───────┐
                   │  Read "xo"    │◄─────────┐
                   └───────┬───────┘          │
                           │                  │
                   ┌───────┴───────┐          │
                   │ Read "g'(x0)" │          │ N
                   └───────┬───────┘          │
                           │                  │
                      ╱─────────╲             │
                     ╱ |g'(x0)|  ╲────────────┘
                     ╲   < 1     ╱
                      ╲─────────╱
                           │ Y
                           │
                  ╱─────────────────╲
            ┌────╱  |g(x0)| >=       ╲──── N ────► ( END )
            │    ╲   1*10^-7         ╱
            │     ╲─────────────────╱
            │              │ Y
            │       ┌──────┴───────┐
            │       │ g(x0) =      │
            │       │ exp(x0)/9    │
            │       └──────┬───────┘
            │              │
            │      ┌────────┴────────┐
            │      │ Write "iterasi  │
            │      │     (x0)"       │
            │      └────────┬────────┘
            │               │
            │         ┌──────┴──────┐
            │         │  x0 = x0+1  │
            │         └──────┬──────┘
            └────────────────┘
```

$I = 1$

Read "xo"

Read "g'(x0)"

$|g'(x0)| < 1$

$|g(x0)| >= 1*10^{-7}$

$g(x0) = exp(x0)/9$

Write "iterasi (x0)"

$x0 = x0 + 1$

END

FLOW CHART METODE ITERASI TETAP MATLAB

START

I = 1

Read "(xi), (xi+1)"

Write "(xi), (xi+1)"

Read "f(x)"

f(xi)*f(xi+1) < 0

N

Y

Write "f(xi), f(xi+1)

$|f(x)| >= 1*10^{-7}$

N

END

Y

Linspace ((xi) ,(xi+1)),10
%terdiri dari x dan f(x) Atau Y

Generate random (xi), (xi+1)

Read "f(x)[i+1]=f(xi)"

$|\Delta f(xi)| \approx 0$
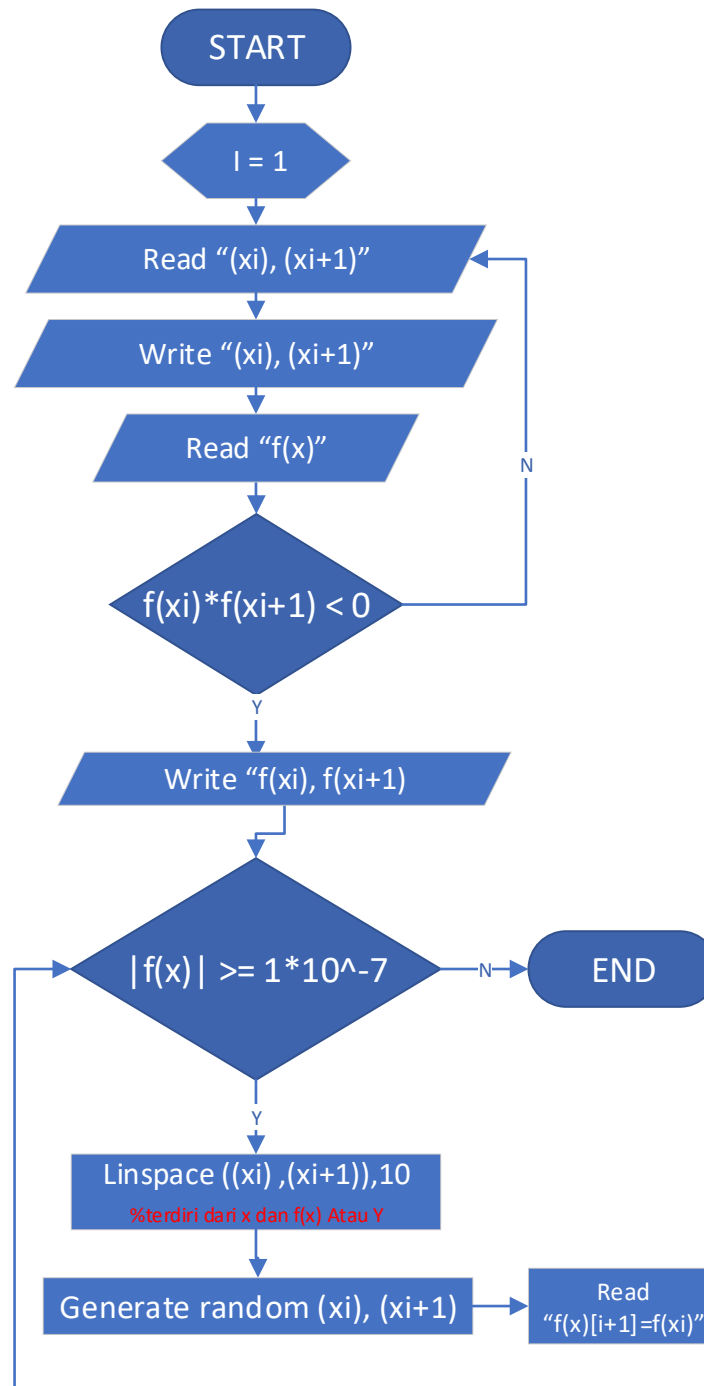
FLOW CHART METODE TABULASI

START

I = 1

Read "(x0), (xn)"

Write "(x0), (xn)"

Read "f(x)"

f(x1)*f(x2) < 0

N

Y

Write "f(x1), f(x2)

$|f(xn)| >= 1*10^{-7}$

N

END

Y

Xn+1 = x0 + xn/2

Write (xn+1)

% sebagai iterasi
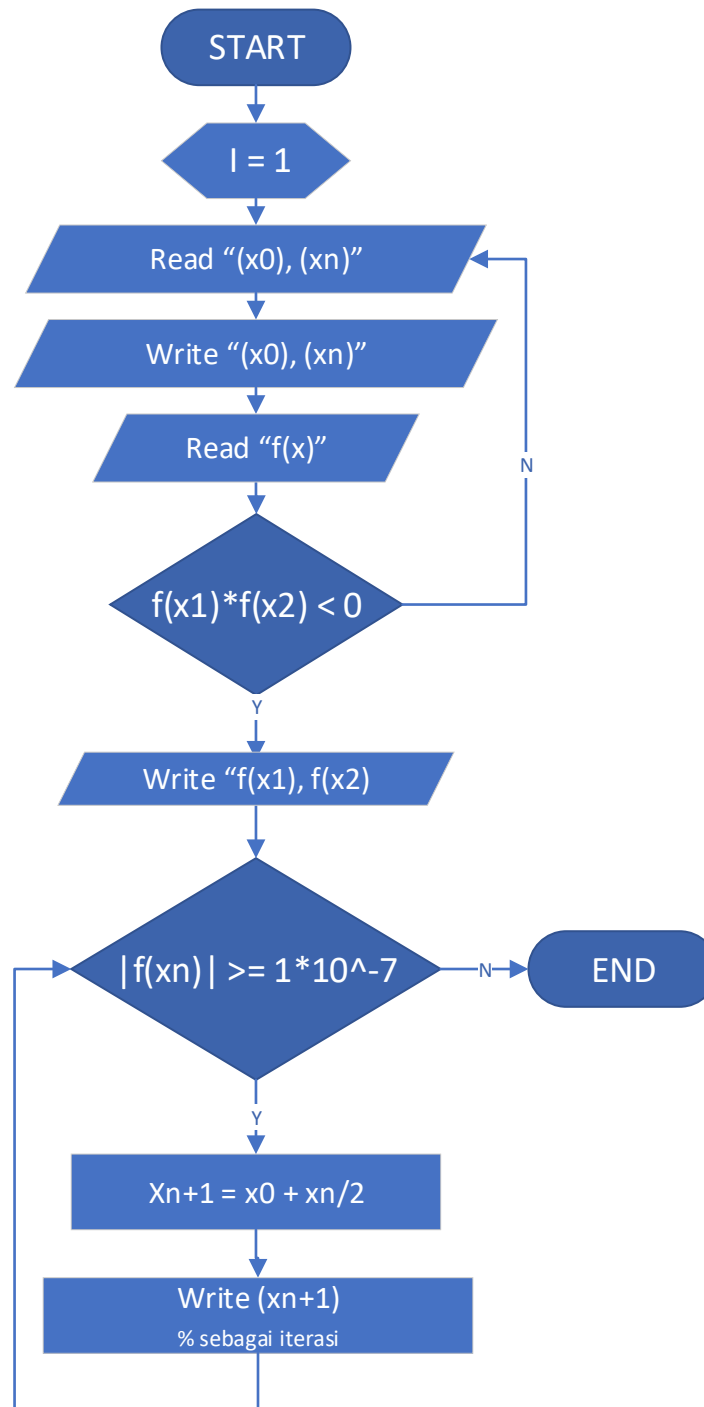
FLOW CHART METODE BISEKSI
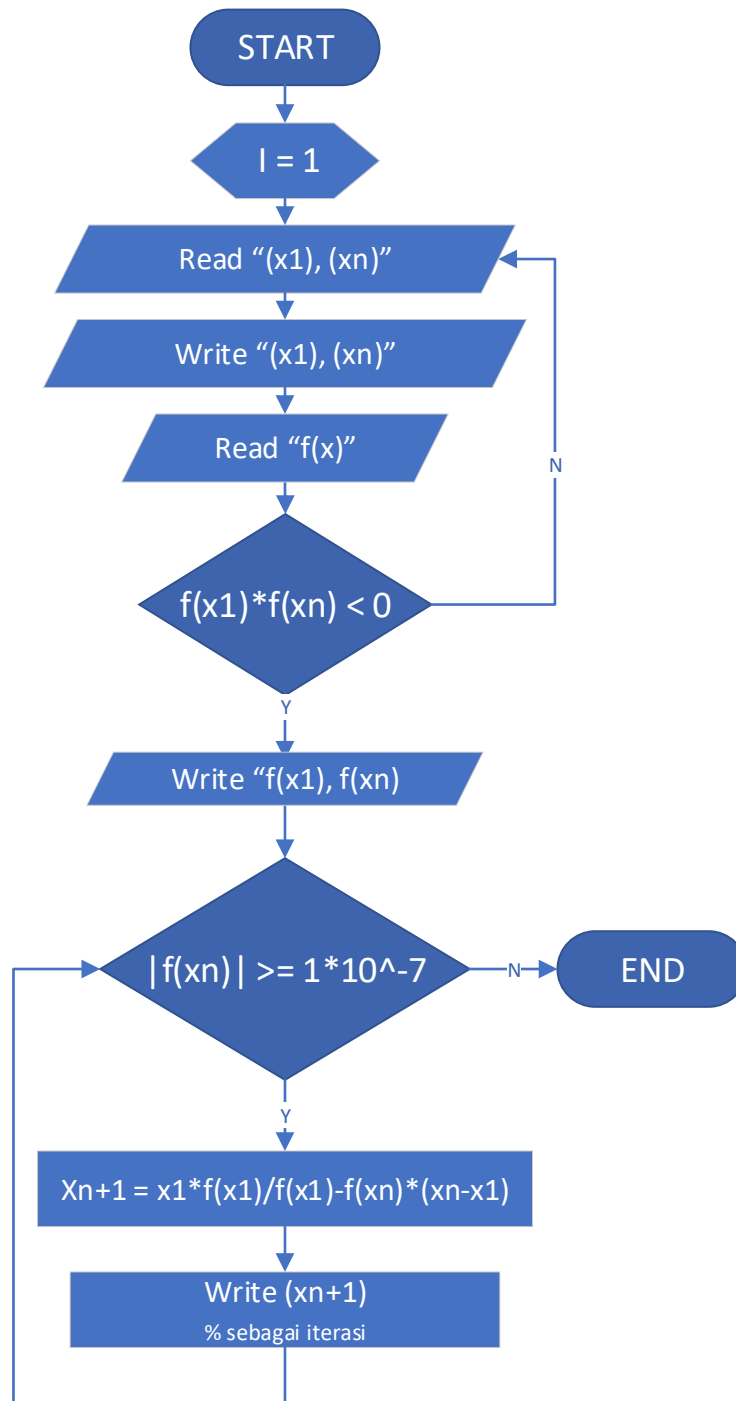
FLOW CHART
METODE
REGULASI
FALSI

Flowchart elements:

START

$I = 1$

Read "(x1), (xn)"

Write "(x1), (xn)"

Read "f(x)"

$f(x1)*f(xn) < 0$

Write "f(x1), f(xn)

$|f(xn)| >= 1*10^{-7}$

END

$Xn+1 = x1*f(x1)/f(x1)-f(xn)*(xn-x1)$

Write (xn+1)

% sebagai iterasi