

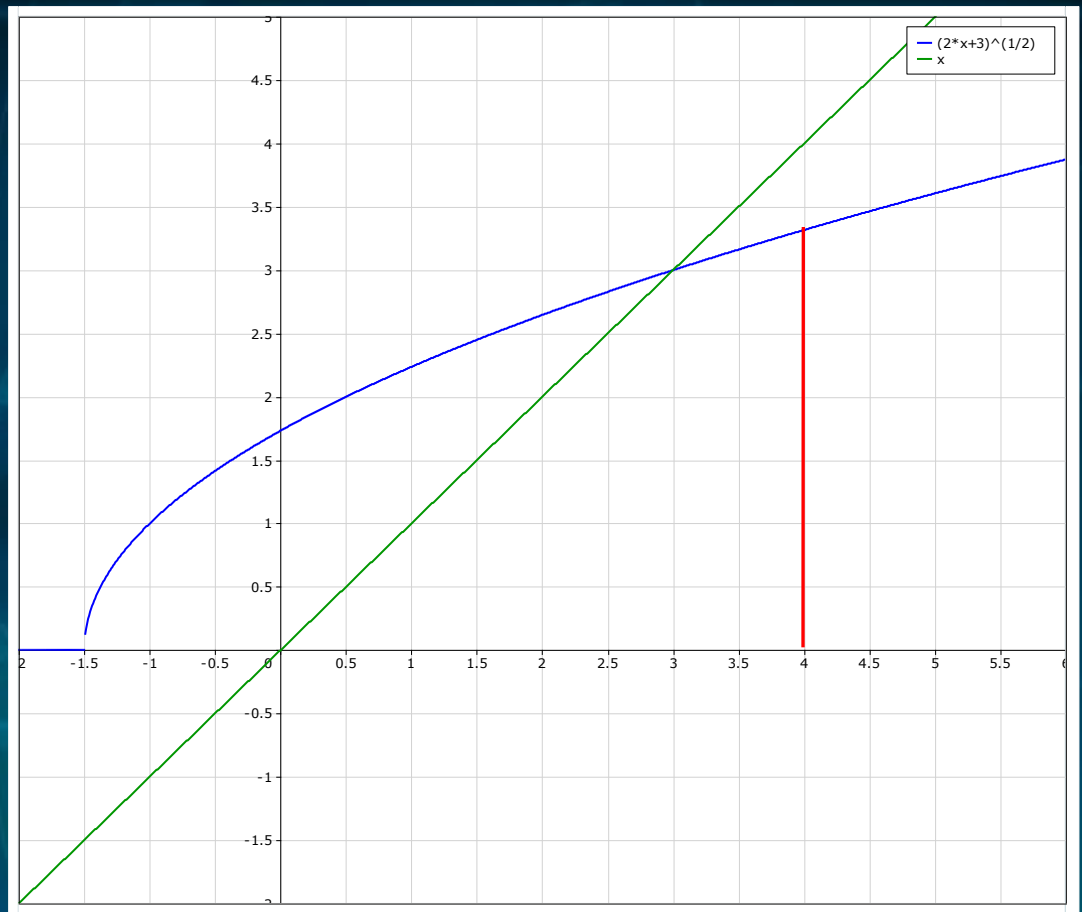
Método de Iteración directa

Iteración directa

$$F(x) = x^2 - 2x - 3$$

$$x = (2x + 3)^{1/2}$$

x	$(2x+3)^{1/2}$
4	

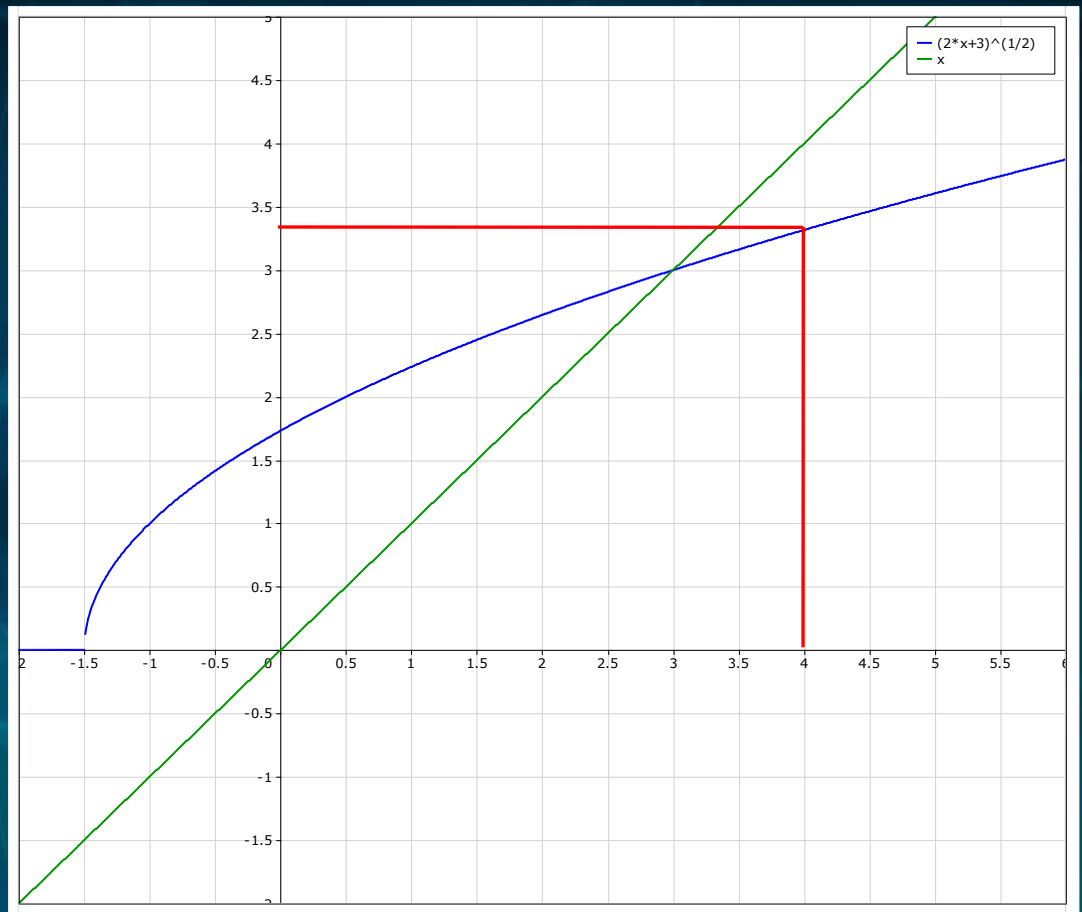


Iteración directa

$$F(x) = x^2 - 2x - 3$$

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x	$(2x+3)^{1/2}$
4	3.3166

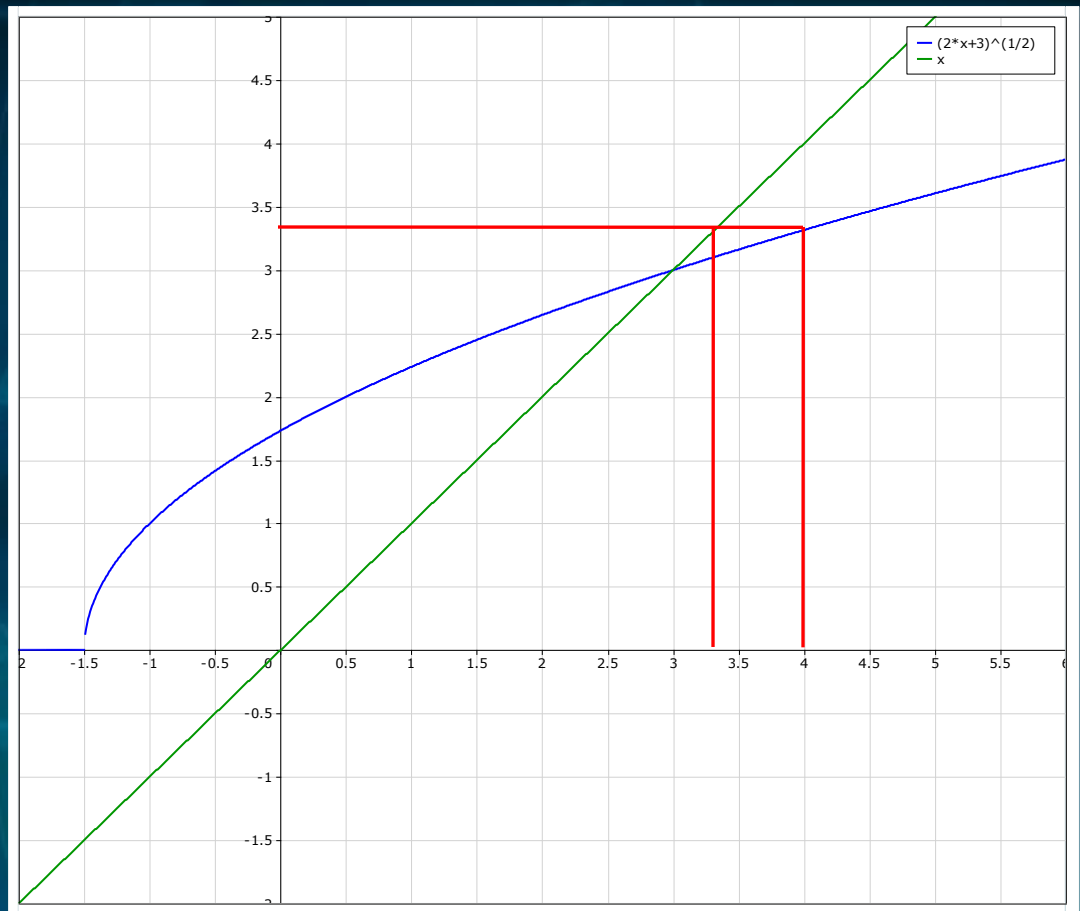


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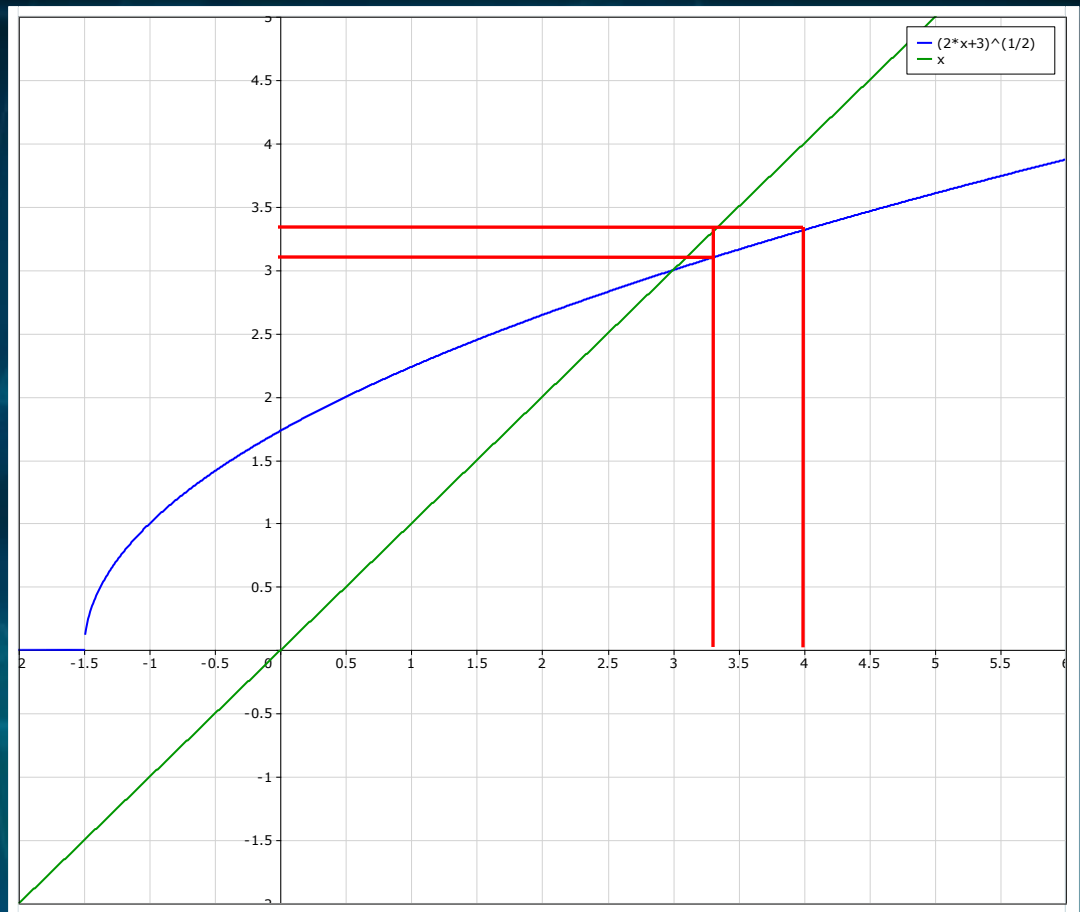


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3.3166	3.1037

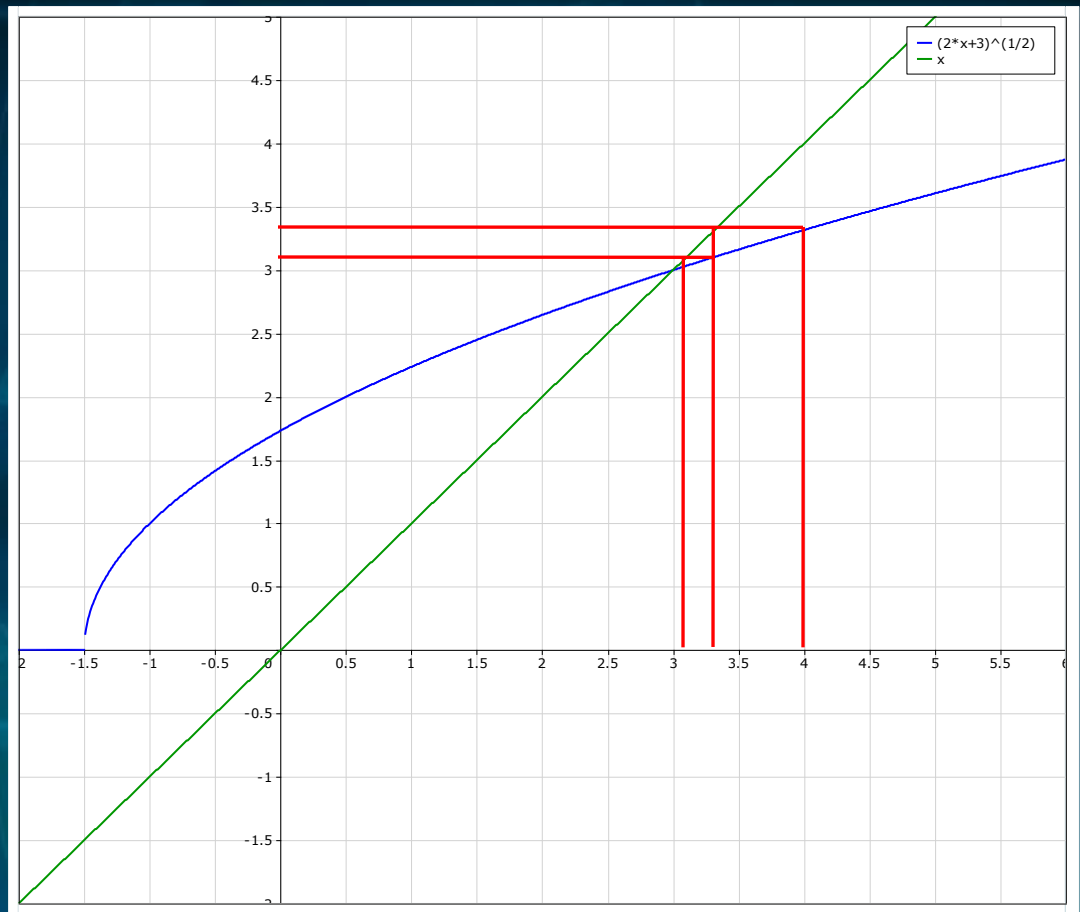


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3.3166	3.1037
3.1037	3.0343

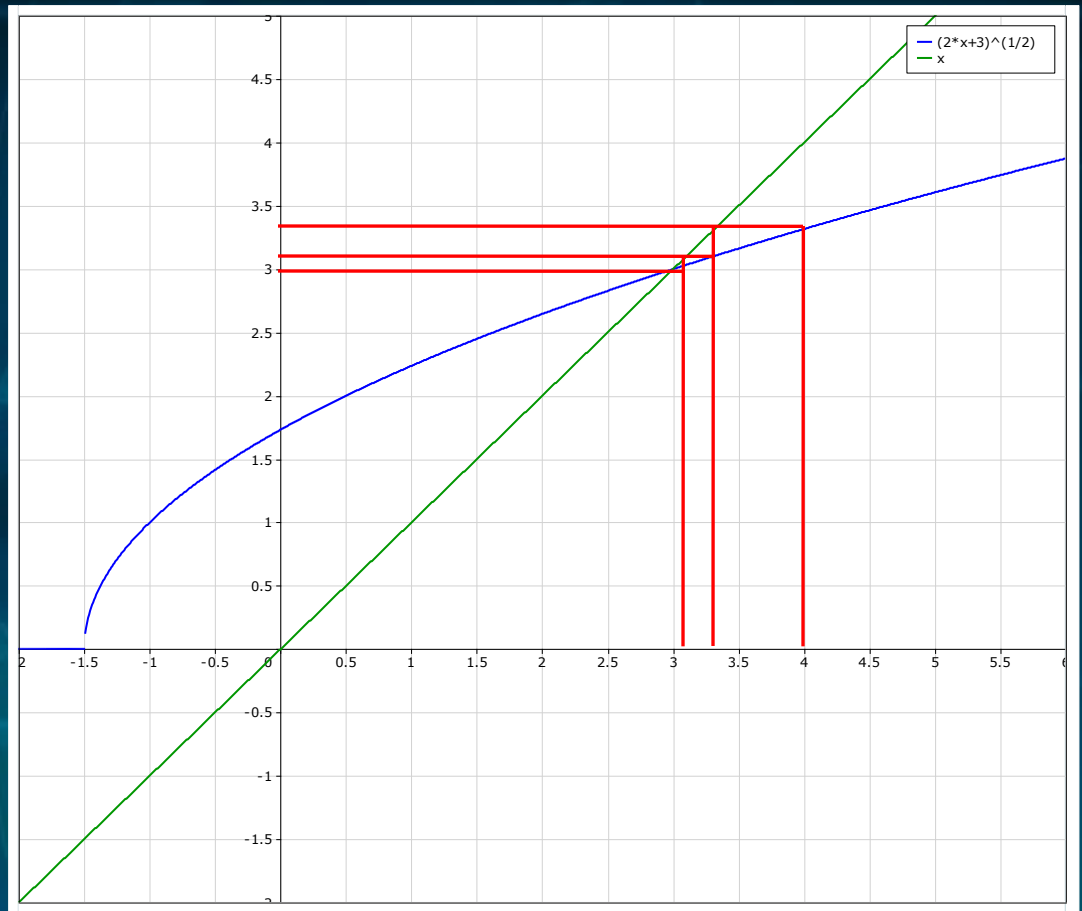


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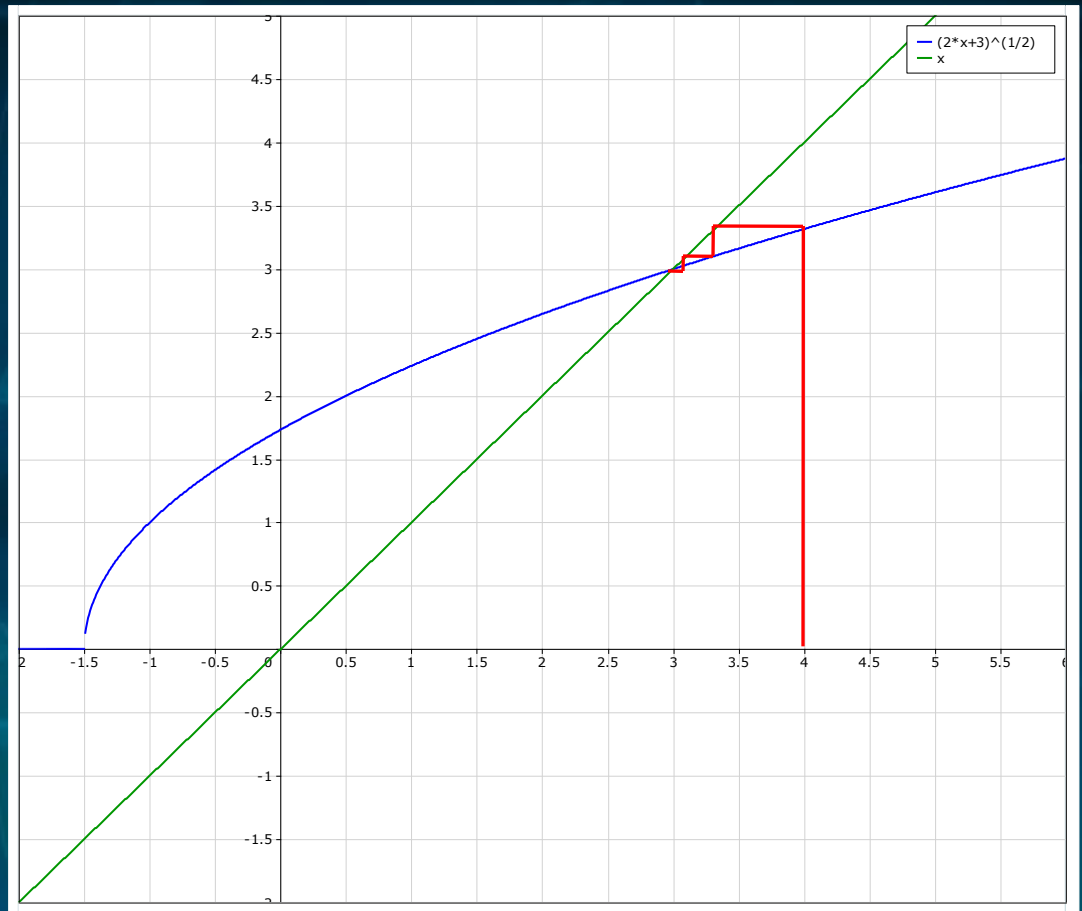


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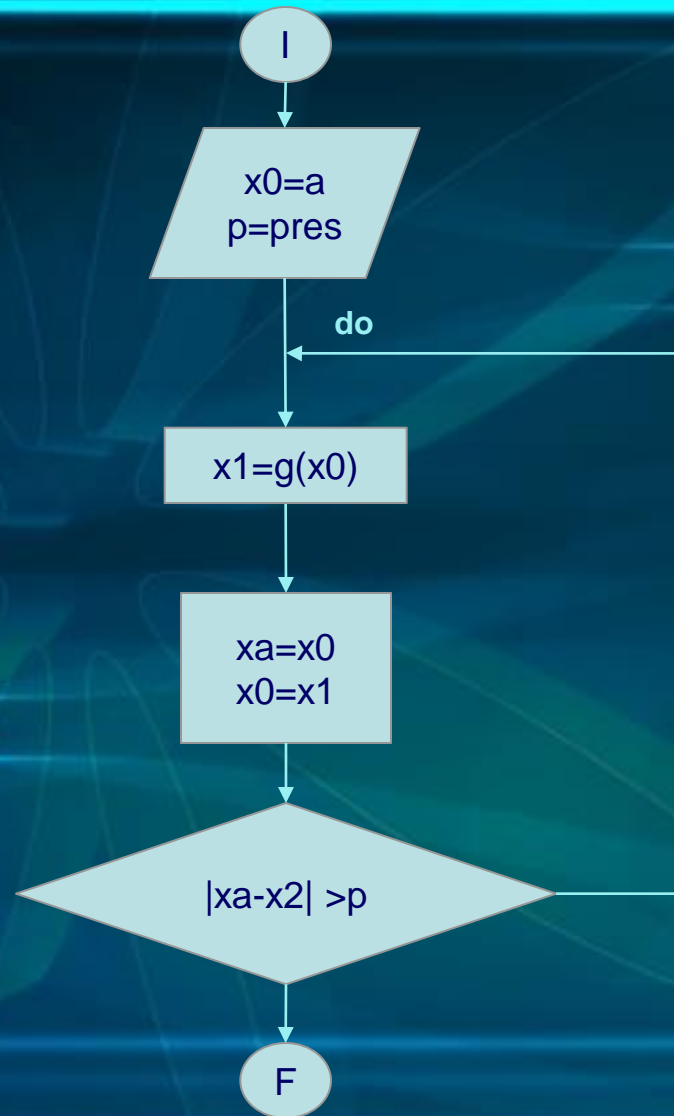


Características

- No necesita un intervalo $[a, b]$, solo un punto
- Requiere que la función $f(x)$ sea continua en el intervalo $[a, b]$
- No es muy confiables ya que no siempre converge
- Requiere acomodar al función $F(x)$ de la forma $g(x) = x$

Diagrama de bloques

Bisección



Programa

- Programa iteración directa POO.

Clasificación de los métodos vistos en clase



- Unidad II

