Metodo de Biseccion

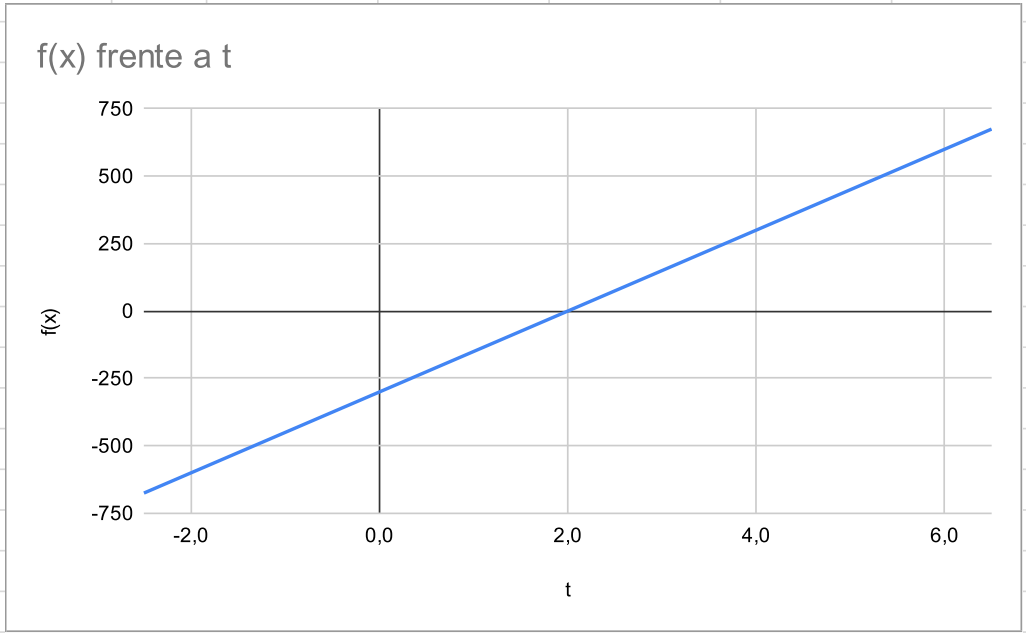
f(x) =90t + 60t -300

t	f(x)
-10,0	-1800
-9,5	-1725
-9,0	-1650
-8,5	-1575
-8,0	-1500
-7,5	-1425
-7,0	-1350
-6,5	-1275
-6,0	-1200
-5,5	-1125
-5,0	-1050
-4,5	-975
-4,0	-900
-3,5	-825
-3,0	-750
-2,5	-675
-2,0	-600
-1,5	-525
-1,0	-450
-0,5	-375
0,0	-300
0,5	-225
x0 1,0	-150
1,5	-75
2,0	0
2,5	75

< 0 xu=xr

> 0 xi =xr

iteracione	xi	xu	xr (xi + xu) /2	f(xi)	f(xr)	f(xi)f(xr)	e
1	1	3	2	-150	0	0,000000	encontrado
2	1	2	1,5	-150	-75	11250,000000	error
3	1,5	2	1,75	-75	-37,5	2812,500000	error
4	1,75	2	1,875	-37,5	-18,75	703,125000	error
5	1,75	1,875	1,8125	-37,5	-28,125	1054,687500	error
6	1,8125	1,8125	1,8125	-28,125	-28,125	791,015625	error
7	1,8125	1,8125	1,8125	-28,125	-28,125	791,015625	error



xu	3,0	150									
	3,5	225									
	4,0	300									
	4,5	375									
	5,0	450									
	5,5	525									
	6,0	600									
	6,5	675									
	7,0	750									
	7,5	825									
	8,0	900									
	8,5	975									
	9,0	1050									
	9,5	1125									
	10,0	1200									

Metodo de Secante

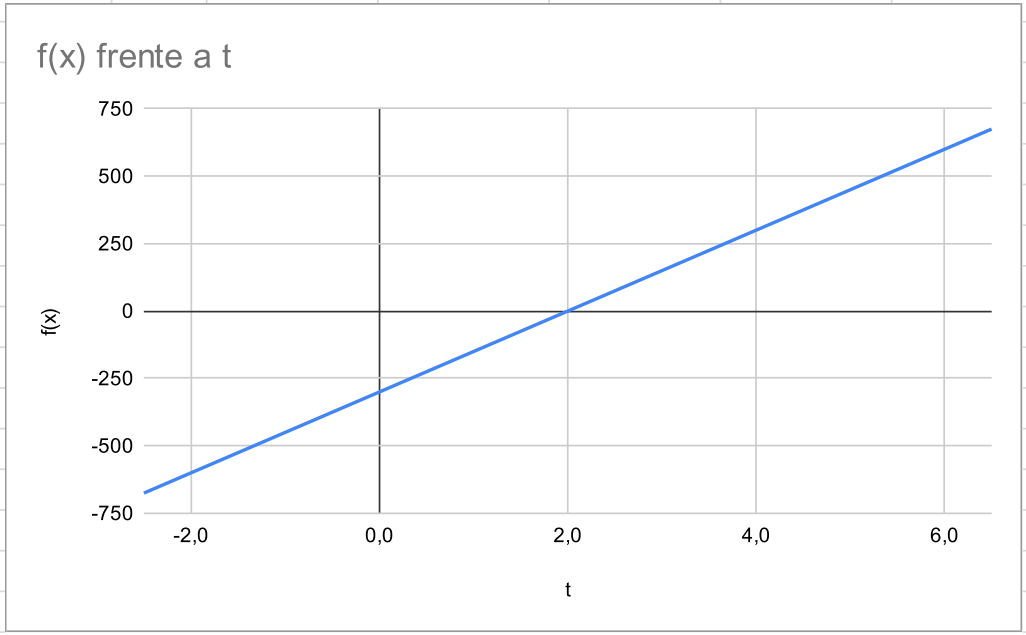
f(x) =90t + 60t -300

t	f(x)
-10,0	-1800
-9,5	-1725
-9,0	-1650
-8,5	-1575
-8,0	-1500
-7,5	-1425
-7,0	-1350
-6,5	-1275
-6,0	-1200
-5,5	-1125
-5,0	-1050
-4,5	-975
-4,0	-900
-3,5	-825
-3,0	-750
-2,5	-675
-2,0	-600
-1,5	-525
-1,0	-450
-0,5	-375
0,0	-300
0,5	-225
x0 1,0	-150
1,5	-75
2,0	0
2,5	75

< 0 xu=xr

> 0 xi =xr

iter	Xi	X0	f(Xi)	f(X0)	X (i+1)	Error f(Xa)	
1	3	1	150	-150	2,0000	-0,00500000	error
2	2,0000	3	0	150	2,0000	0,00000000	Encontrado
3	2,0000	2,0000	0	0	#DIV/0!	#DIV/0!	#ERROR!



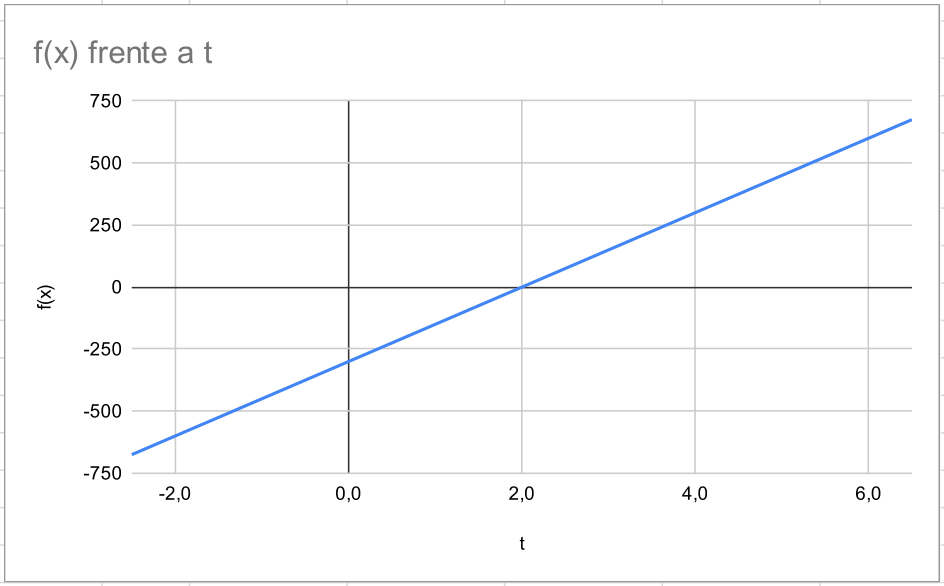
xi	3,0	150									
	3,5	225									
	4,0	300									
	4,5	375									
	5,0	450									
	5,5	525									
	6,0	600									
	6,5	675									
	7,0	750									
	7,5	825									
	8,0	900									
	8,5	975									
	9,0	1050									
	9,5	1125									
	10,0	1200									

Metodo de Newton-Raphson

f(x) =90t + 60t -300

t	f(x)
-10,0	-1800
-9,5	-1725
-9,0	-1650
-8,5	-1575
-8,0	-1500
-7,5	-1425
-7,0	-1350
-6,5	-1275
-6,0	-1200
-5,5	-1125
-5,0	-1050
-4,5	-975
-4,0	-900
-3,5	-825
-3,0	-750
-2,5	-675
-2,0	-600
-1,5	-525
-1,0	-450
-0,5	-375
0,0	-300
0,5	-225
1,0	-150
1,5	-75
raiz 2,0	0
2,5	75
3,0	150
3,5	225
4,0	300

n	Pn-1	f(Pn-1)	f ' (Pn-1)	Pn	f(Pn)	E	Validacion 1	Validacion 2
1	1,50	-75,00	150,00	2,00000000	19,00000000	0,00010000	EXITO	EXITO
2	2,00	0,00	150,00	2,00000000	19,00000000	0,00010000	EXITO	EXITO
3	2,00	0,00	150,00	2,00000000	19,00000000	0,00010000	EXITO	EXITO
4	2,00	0,00	150,00	2,00000000	19,00000000	0,00010000	EXITO	EXITO
5	2,00	0,00	150,00	2,00000000	19,00000000	0,00010000	EXITO	EXITO
6	2,00	0,00	150,00	2,00000000	19,00000000	0,00010000	EXITO	EXITO



	4,5	375										
	5,0	450										
	5,5	525										
	6,0	600										
	6,5	675										
	7,0	750										
	7,5	825										
	8,0	900										
	8,5	975										
	9,0	1050										
	9,5	1125										
	10,0	1200										