

D:\Projects\studia_metody_numeryczne\Cwiczenia02\x64\Debug\Cwiczenia02.exe

Case:1

Selected: 1

Zadanie 01!

i	a	f(a)	b	f(b)	x0	f(x0)	f(a)*f(x0)
1	0	1	-0.653644	1	0.540302	0.540302	
2	1	0.540302	2	-0.653644	1.5	0.930508	0.502755
3	1.5	0.930508	2	-0.653644	1.75	-0.28459	-0.264813
4	1.5	0.930508	1.75	-0.28459	1.625	0.505344	0.470227
5	1.625	0.505344	1.75	-0.28459	1.6875	0.139916	0.0707056
6	1.6875	0.139916	1.75	-0.28459	1.71875	-0.0690108	-0.00965571
7	1.6875	0.139916	1.71875	-0.0690108	1.70312	0.0368944	0.00516211
8	1.70312	0.0368944	1.71875	-0.0690108	1.71094	-0.0157676	-0.000581734
9	1.70312	0.0368944	1.71094	-0.0157676	1.70703	0.0106452	0.000392748
10	1.70703	0.0106452	1.71094	-0.0157676	1.70898	-0.00254184	-2.70584e-05

Result

x:1.70898 y: -0.00254184

Case:2

Selected: 2

Zadanie 02!

i	a	f(a)	b	f(b)	x0	f(x0)	f(a)*f(x0)
1	0	1	-0.653644	1.20945	0.796233	0.796233	
2	1.20945	0.796233	2	-0.653644	1.6436	0.405885	0.323179
3	1.6436	0.405885	2	-0.653644	1.78013	-0.488113	-0.198118
4	1.6436	0.405885	1.78013	-0.488113	1.70559	0.0203818	0.00827269

Result

x:1.70857 y: 0.000237577

Case:3

Selected: 3

Zadanie 03 Tangent!

i: 1x: 6, y: 0

i: 2x: 4.45918, y: -39.076

i: 3x: 3.6722, y: -7.79786

i: 4x: 3.41616, y: -0.705444

i: 5x: 3.38795, y: -0.00813104

i: 6x: 3.38762, y: -1.12544e-06

i: 7x: 3.38762, y: -1.42109e-14

Result

x:3.38762 y: 0

Case:4

Selected: 4

Zadanie 03 Secant!

i: 1x: 6, y: 0

i: 2x: 4.43052, y: -37.6636

i: 3x: 3.90895, y: -15.6389

i: 4x: 3.53861, y: -3.92348

i: 5x: 3.41458, y: -0.666019

i: 6x: 3.38922, y: -0.0391795

i: 7x: 3.38764, y: -0.000435232

Result

x:3.38762 y: -2.90073e-07

Case: