Solution

$$a=1$$
, $b=2$

$$c = b - (f(b) + (b - a)) / (f(b) - f(a))$$

$$= 1.1$$

Now,
$$f(a) = -1$$
, $f(c) = f(1.1) = -0.369$
 $f(a) * f(c) = 0.369$

: the internal now reduced to [1,2] to

11 1 2 20 20 10 [1,2] 40			
Iteration	0	b.	[1.1, 2]
1		400	function (c)
2		2	-0.369
	1.1	2	-0.1237975321
3	1.35496686	2	
4	1.14773797	2 2	-0.4486805098 -0.01551558639
5	1.151965709	2	
6	· 1.153 4 15774	2	- 0.005 285233 -0.00180778875
7	1.153912655	2	- 0.00062023148
8	1.15408289	2	-0.000,21252488
9	1.155151132	2	-5.275190177×10
10	1.54161097	2	- 2· 45/6038 Z2 ×10
	: Root =	1.541 Cappronin	-dely)