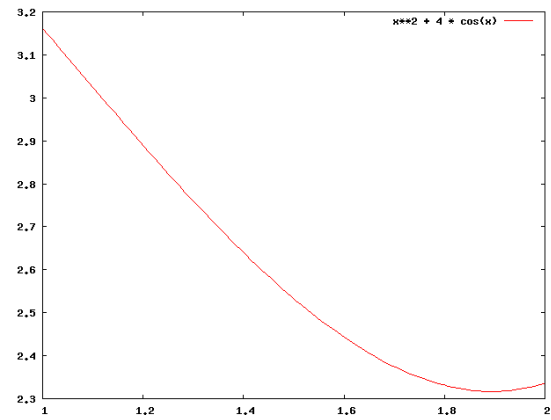


7.2 a



b  $(0.61803)^N \leq 0.2/1 \Rightarrow N = 4$ .

Iteration $k$	$a_k$	$b_k$	$f(a_k)$	$f(b_k)$	New uncertainty interval
1	1.38196601125	1.61803398875	2.66067058007	2.42915360373	$[1.38196601125, 2]$
2	1.61803398875	1.7639320225	2.42915360373	2.34370726837	$[1.61803398875, 2]$
3	1.7639320225	1.85410196625	2.34370726837	2.31956995865	$[1.7639320225, 2]$
4	1.85410196625	1.90983005625	2.31956995865	2.31714692162	$[1.85410196625, 2]$

c

- 8.1
- 8.3
- 8.13
- 8.17
- 9.1
- 9.3