

$$\sqrt[n]{n} = x \rightarrow f(x) = 0 = \sqrt[n]{n} - x$$

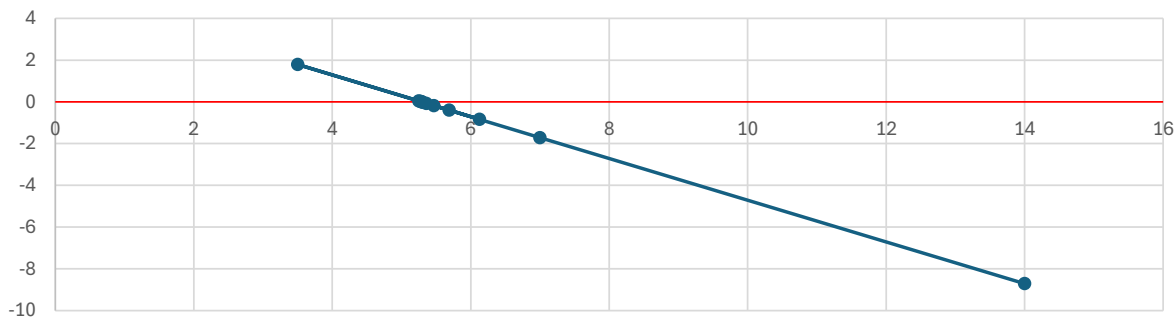
$$n_1 = 28 [0, 28]$$

$$n_2 = 6 [0, 2 * 6]$$

n_1 :

$$\varepsilon = 10^{-2}$$

Iter	a	b	f(a)	f(b)	c	f(c)	f(a) * f(b) < 0
1	0	28	5,29150262	-22,70849738	14	-8,708497378	-120,1620734
2	0	14	5,29150262	-8,70849738	7	-1,708497378	-46,08103671
3	0	7	5,29150262	-1,70849738	3,5	1,791502622	-9,040518355
4	3,5	7	1,79150262	-1,70849738	5,25	0,041502622	-3,060777532
5	5,25	7	0,04150262	-1,70849738	6,125	-0,833497378	-0,070907121
6	5,25	6,125	0,04150262	-0,83349738	5,6875	-0,395997378	-0,034592327
7	5,25	5,6875	0,04150262	-0,39599738	5,46875	-0,177247378	-0,01643493
8	5,25	5,46875	0,04150262	-0,17724738	5,359375	-0,067872378	-0,007356231
9	5,25	5,359375	0,04150262	-0,06787238	5,3046875	-0,013184878	-0,002816882
10	5,25	5,3046875	0,04150262	-0,01318488	5,27734375	0,014158872	-0,000547207
11	5,27734375	5,3046875	0,01415887	-0,01318488	5,29101563	0,000486997	-0,000186683



n_2 :

5 Iterationen

Iter	a	b	f(a)	f(b)	c	f(c)	f(a) * f(b) < 0
1	0	12	2,44948974	-9,55051026	6	-3,550510257	-23,39387691
2	0	6	2,44948974	-3,55051026	3	-0,550510257	-8,696938457
3	0	3	2,44948974	-0,55051026	1,5	0,949489743	-1,348469228
4	1,5	3	0,94948974	-0,55051026	2,25	0,199489743	-0,522703843
5	2,25	3	0,19948974	-0,55051026	2,625	-0,175510257	-0,10982115

