

THE MONIC INTEGER TRANSFINITE DIAMETER TABLES

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i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$7x^3 + 7x^2 - 1$	$[-0.737, 0.328]$
2	$57x^6 + 81x^5 + 6x^4 - 32x^3 - 9x^2 + 3x + 1$	$[-0.728, 0.494]$
3	$7x^3 + 4x^2 - 2x - 1$	$[-0.684, 0.517]$
4	$59x^6 + 28x^5 - 43x^4 - 15x^3 + 11x^2 + 2x - 1$	$[-0.669, 0.528]$
5	$3x^2 - 1$	$[-0.577, 0.577]$
6	$59x^6 - 28x^5 - 43x^4 + 15x^3 + 11x^2 - 2x - 1$	$[-0.528, 0.669]$
7	$7x^3 - 4x^2 - 2x + 1$	$[-0.517, 0.684]$
8	$57x^6 - 81x^5 + 6x^4 + 32x^3 - 9x^2 - 3x + 1$	$[-0.494, 0.728]$
9	$7x^3 - 7x^2 + 1$	$[-0.328, 0.737]$
10	$63x^6 - 136x^5 + 72x^4 + 16x^3 - 17x^2 + 1$	$[-0.310, 1.115]$
11	$63x^6 - 146x^5 + 91x^4 + 7x^3 - 18x^2 + x + 1$	$[-0.285, 1.141]$
12	$58x^6 - 139x^5 + 90x^4 + 6x^3 - 18x^2 + x + 1$	$[-0.285, 1.178]$
13	$59x^6 - 147x^5 + 105x^4 - 3x^3 - 18x^2 + 2x + 1$	$[-0.271, 1.184]$
14	$63x^6 - 159x^5 + 115x^4 - 4x^3 - 19x^2 + 2x + 1$	$[-0.260, 1.197]$
15	$15x^4 - 29x^3 + 13x^2 + x - 1$	$[-0.244, 1.208]$
16	$57x^6 - 171x^5 + 153x^4 - 21x^3 - 21x^2 + 3x + 1$	$[-0.228, 1.228]$
17	$15x^4 - 31x^3 + 16x^2 - 1$	$[-0.208, 1.244]$
18	$63x^6 - 219x^5 + 265x^4 - 126x^3 + 14x^2 + 5x - 1$	$[-0.197, 1.260]$
19	$59x^6 - 207x^5 + 255x^4 - 127x^3 + 18x^2 + 4x - 1$	$[-0.184, 1.271]$
20	$58x^6 - 209x^5 + 265x^4 - 136x^3 + 20x^2 + 4x - 1$	$[-0.178, 1.285]$
21	$63x^6 - 232x^5 + 306x^4 - 171x^3 + 34x^2 + 2x - 1$	$[-0.141, 1.285]$
22	$63x^6 - 242x^5 + 337x^4 - 204x^3 + 48x^2 - 1$	$[-0.115, 1.310]$

TABLE 1. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt[63]{6}} \right) < 1.4715$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$7x^3 + 7x^2 - 1$	$[-0.737, 0.328]$
2	$57x^6 + 81x^5 + 6x^4 - 32x^3 - 9x^2 + 3x + 1$	$[-0.728, 0.494]$
3	$7x^3 + 4x^2 - 2x - 1$	$[-0.684, 0.517]$
4	$59x^6 + 28x^5 - 43x^4 - 15x^3 + 11x^2 + 2x - 1$	$[-0.669, 0.528]$
5	$3x^2 - 1$	$[-0.577, 0.577]$
6	$59x^6 - 28x^5 - 43x^4 + 15x^3 + 11x^2 - 2x - 1$	$[-0.528, 0.669]$
7	$7x^3 - 4x^2 - 2x + 1$	$[-0.517, 0.684]$
8	$57x^6 - 81x^5 + 6x^4 + 32x^3 - 9x^2 - 3x + 1$	$[-0.494, 0.728]$
9	$7x^3 - 7x^2 + 1$	$[-0.328, 0.737]$
10	$55x^6 - 120x^5 + 64x^4 + 15x^3 - 16x^2 + 1$	$[-0.316, 1.131]$
11	$58x^6 - 129x^5 + 71x^4 + 15x^3 - 17x^2 + 1$	$[-0.315, 1.141]$
12	$60x^6 - 141x^5 + 89x^4 + 7x^3 - 18x^2 + x + 1$	$[-0.301, 1.158]$
13	$30x^5 - 56x^4 + 17x^3 + 12x^2 - 3x - 1$	$[-0.296, 1.171]$
14	$58x^6 - 139x^5 + 90x^4 + 6x^3 - 18x^2 + x + 1$	$[-0.285, 1.178]$
15	$59x^6 - 147x^5 + 105x^4 - 3x^3 - 18x^2 + 2x + 1$	$[-0.271, 1.184]$
16	$15x^4 - 29x^3 + 13x^2 + x - 1$	$[-0.244, 1.208]$
17	$57x^6 - 171x^5 + 153x^4 - 21x^3 - 21x^2 + 3x + 1$	$[-0.228, 1.228]$
18	$15x^4 - 31x^3 + 16x^2 - 1$	$[-0.208, 1.244]$
19	$59x^6 - 207x^5 + 255x^4 - 127x^3 + 18x^2 + 4x - 1$	$[-0.184, 1.271]$
20	$58x^6 - 209x^5 + 265x^4 - 136x^3 + 20x^2 + 4x - 1$	$[-0.178, 1.285]$
21	$30x^5 - 94x^4 + 93x^3 - 27x^2 - 2x + 1$	$[-0.171, 1.296]$
22	$60x^6 - 219x^5 + 284x^4 - 153x^3 + 27x^2 + 3x - 1$	$[-0.158, 1.301]$
23	$58x^6 - 219x^5 + 296x^4 - 169x^3 + 34x^2 + 2x - 1$	$[-0.141, 1.315]$
24	$55x^6 - 210x^5 + 289x^4 - 171x^3 + 38x^2 + x - 1$	$[-0.131, 1.316]$

TABLE 2. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt[6]{6}} \right) < 1.4789$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$7x^3 + 7x^2 - 1$	$[-0.737, 0.328]$
2	$57x^6 + 81x^5 + 6x^4 - 32x^3 - 9x^2 + 3x + 1$	$[-0.728, 0.494]$
3	$7x^3 + 4x^2 - 2x - 1$	$[-0.684, 0.517]$
4	$59x^6 + 28x^5 - 43x^4 - 15x^3 + 11x^2 + 2x - 1$	$[-0.669, 0.528]$
5	$3x^2 - 1$	$[-0.577, 0.577]$
6	$59x^6 - 28x^5 - 43x^4 + 15x^3 + 11x^2 - 2x - 1$	$[-0.528, 0.669]$
7	$7x^3 - 4x^2 - 2x + 1$	$[-0.517, 0.684]$
8	$57x^6 - 81x^5 + 6x^4 + 32x^3 - 9x^2 - 3x + 1$	$[-0.494, 0.728]$
9	$7x^3 - 7x^2 + 1$	$[-0.328, 0.737]$
10	$55x^6 - 120x^5 + 64x^4 + 15x^3 - 16x^2 + 1$	$[-0.316, 1.131]$
11	$58x^6 - 129x^5 + 71x^4 + 15x^3 - 17x^2 + 1$	$[-0.315, 1.141]$
12	$27x^5 - 50x^4 + 15x^3 + 11x^2 - 3x - 1$	$[-0.311, 1.166]$
13	$30x^5 - 56x^4 + 17x^3 + 12x^2 - 3x - 1$	$[-0.296, 1.171]$
14	$58x^6 - 139x^5 + 90x^4 + 6x^3 - 18x^2 + x + 1$	$[-0.285, 1.178]$
15	$59x^6 - 147x^5 + 105x^4 - 3x^3 - 18x^2 + 2x + 1$	$[-0.271, 1.184]$
16	$15x^4 - 29x^3 + 13x^2 + x - 1$	$[-0.244, 1.208]$
17	$57x^6 - 171x^5 + 153x^4 - 21x^3 - 21x^2 + 3x + 1$	$[-0.228, 1.228]$
18	$15x^4 - 31x^3 + 16x^2 - 1$	$[-0.208, 1.244]$
19	$59x^6 - 207x^5 + 255x^4 - 127x^3 + 18x^2 + 4x - 1$	$[-0.184, 1.271]$
20	$58x^6 - 209x^5 + 265x^4 - 136x^3 + 20x^2 + 4x - 1$	$[-0.178, 1.285]$
21	$30x^5 - 94x^4 + 93x^3 - 27x^2 - 2x + 1$	$[-0.171, 1.296]$
22	$27x^5 - 85x^4 + 85x^3 - 26x^2 - x + 1$	$[-0.166, 1.311]$
23	$58x^6 - 219x^5 + 296x^4 - 169x^3 + 34x^2 + 2x - 1$	$[-0.141, 1.315]$
24	$55x^6 - 210x^5 + 289x^4 - 171x^3 + 38x^2 + x - 1$	$[-0.131, 1.316]$

TABLE 3. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt[30]{5}} \right) < 1.4818$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$7x^3 + 7x^2 - 1$	$[-0.737, 0.328]$
2	$57x^6 + 81x^5 + 6x^4 - 32x^3 - 9x^2 + 3x + 1$	$[-0.728, 0.494]$
3	$7x^3 + 4x^2 - 2x - 1$	$[-0.684, 0.517]$
4	$59x^6 + 28x^5 - 43x^4 - 15x^3 + 11x^2 + 2x - 1$	$[-0.669, 0.528]$
5	$3x^2 - 1$	$[-0.577, 0.577]$
6	$59x^6 - 28x^5 - 43x^4 + 15x^3 + 11x^2 - 2x - 1$	$[-0.528, 0.669]$
7	$7x^3 - 4x^2 - 2x + 1$	$[-0.517, 0.684]$
8	$57x^6 - 81x^5 + 6x^4 + 32x^3 - 9x^2 - 3x + 1$	$[-0.494, 0.728]$
9	$7x^3 - 7x^2 + 1$	$[-0.328, 0.737]$
10	$55x^6 - 120x^5 + 64x^4 + 15x^3 - 16x^2 + 1$	$[-0.316, 1.131]$
11	$58x^6 - 129x^5 + 71x^4 + 15x^3 - 17x^2 + 1$	$[-0.315, 1.141]$
12	$27x^5 - 50x^4 + 15x^3 + 11x^2 - 3x - 1$	$[-0.311, 1.166]$
13	$59x^6 - 140x^5 + 89x^4 + 7x^3 - 18x^2 + x + 1$	$[-0.302, 1.174]$
14	$58x^6 - 139x^5 + 90x^4 + 6x^3 - 18x^2 + x + 1$	$[-0.285, 1.178]$
15	$59x^6 - 147x^5 + 105x^4 - 3x^3 - 18x^2 + 2x + 1$	$[-0.271, 1.184]$
16	$15x^4 - 29x^3 + 13x^2 + x - 1$	$[-0.244, 1.208]$
17	$57x^6 - 171x^5 + 153x^4 - 21x^3 - 21x^2 + 3x + 1$	$[-0.228, 1.228]$
18	$15x^4 - 31x^3 + 16x^2 - 1$	$[-0.208, 1.244]$
19	$59x^6 - 207x^5 + 255x^4 - 127x^3 + 18x^2 + 4x - 1$	$[-0.184, 1.271]$
20	$58x^6 - 209x^5 + 265x^4 - 136x^3 + 20x^2 + 4x - 1$	$[-0.178, 1.285]$
21	$59x^6 - 214x^5 + 274x^4 - 143x^3 + 22x^2 + 4x - 1$	$[-0.174, 1.302]$
22	$27x^5 - 85x^4 + 85x^3 - 26x^2 - x + 1$	$[-0.166, 1.311]$
23	$58x^6 - 219x^5 + 296x^4 - 169x^3 + 34x^2 + 2x - 1$	$[-0.141, 1.315]$
24	$55x^6 - 210x^5 + 289x^4 - 171x^3 + 38x^2 + x - 1$	$[-0.131, 1.316]$

TABLE 4. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt[59]{6}} \right) < 1.4842$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$7x^3 + 7x^2 - 1$	$[-0.737, 0.328]$
2	$57x^6 + 81x^5 + 6x^4 - 32x^3 - 9x^2 + 3x + 1$	$[-0.728, 0.494]$
3	$7x^3 + 4x^2 - 2x - 1$	$[-0.684, 0.517]$
4	$3x^2 - 1$	$[-0.577, 0.577]$
5	$7x^3 - 4x^2 - 2x + 1$	$[-0.517, 0.684]$
6	$57x^6 - 81x^5 + 6x^4 + 32x^3 - 9x^2 - 3x + 1$	$[-0.494, 0.728]$
7	$7x^3 - 7x^2 + 1$	$[-0.328, 0.737]$
8	$55x^6 - 120x^5 + 64x^4 + 15x^3 - 16x^2 + 1$	$[-0.316, 1.131]$
9	$58x^6 - 129x^5 + 71x^4 + 15x^3 - 17x^2 + 1$	$[-0.315, 1.141]$
10	$27x^5 - 50x^4 + 15x^3 + 11x^2 - 3x - 1$	$[-0.311, 1.166]$
11	$58x^6 - 138x^5 + 88x^4 + 7x^3 - 18x^2 + x + 1$	$[-0.307, 1.176]$
12	$58x^6 - 139x^5 + 90x^4 + 6x^3 - 18x^2 + x + 1$	$[-0.285, 1.178]$
13	$15x^4 - 28x^3 + 11x^2 + 2x - 1$	$[-0.279, 1.204]$
14	$15x^4 - 29x^3 + 13x^2 + x - 1$	$[-0.244, 1.208]$
15	$57x^6 - 171x^5 + 153x^4 - 21x^3 - 21x^2 + 3x + 1$	$[-0.228, 1.228]$
16	$15x^4 - 31x^3 + 16x^2 - 1$	$[-0.208, 1.244]$
17	$15x^4 - 32x^3 + 17x^2 - 1$	$[-0.204, 1.279]$
18	$58x^6 - 209x^5 + 265x^4 - 136x^3 + 20x^2 + 4x - 1$	$[-0.178, 1.285]$
19	$58x^6 - 210x^5 + 268x^4 - 139x^3 + 21x^2 + 4x - 1$	$[-0.176, 1.307]$
20	$27x^5 - 85x^4 + 85x^3 - 26x^2 - x + 1$	$[-0.166, 1.311]$
21	$58x^6 - 219x^5 + 296x^4 - 169x^3 + 34x^2 + 2x - 1$	$[-0.141, 1.315]$
22	$55x^6 - 210x^5 + 289x^4 - 171x^3 + 38x^2 + x - 1$	$[-0.131, 1.316]$

TABLE 5. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt[15]{4}} \right) < 1.4882$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$7x^3 + 7x^2 - 1$	$[-0.737, 0.328]$
2	$57x^6 + 81x^5 + 6x^4 - 32x^3 - 9x^2 + 3x + 1$	$[-0.728, 0.494]$
3	$7x^3 + 4x^2 - 2x - 1$	$[-0.684, 0.517]$
4	$3x^2 - 1$	$[-0.577, 0.577]$
5	$7x^3 - 4x^2 - 2x + 1$	$[-0.517, 0.684]$
6	$57x^6 - 81x^5 + 6x^4 + 32x^3 - 9x^2 - 3x + 1$	$[-0.494, 0.728]$
7	$7x^3 - 7x^2 + 1$	$[-0.328, 0.737]$
8	$55x^6 - 120x^5 + 64x^4 + 15x^3 - 16x^2 + 1$	$[-0.316, 1.131]$
9	$58x^6 - 129x^5 + 71x^4 + 15x^3 - 17x^2 + 1$	$[-0.315, 1.141]$
10	$27x^5 - 50x^4 + 15x^3 + 11x^2 - 3x - 1$	$[-0.311, 1.166]$
11	$58x^6 - 138x^5 + 88x^4 + 7x^3 - 18x^2 + x + 1$	$[-0.307, 1.176]$
12	$58x^6 - 139x^5 + 90x^4 + 6x^3 - 18x^2 + x + 1$	$[-0.285, 1.178]$
13	$28x^5 - 57x^4 + 23x^3 + 10x^2 - 4x - 1$	$[-0.280, 1.211]$
14	$7x^3 - 10x^2 + x + 1$	$[-0.252, 1.214]$
15	$57x^6 - 171x^5 + 153x^4 - 21x^3 - 21x^2 + 3x + 1$	$[-0.228, 1.228]$
16	$7x^3 - 11x^2 + 2x + 1$	$[-0.214, 1.252]$
17	$28x^5 - 83x^4 + 75x^3 - 17x^2 - 3x + 1$	$[-0.211, 1.280]$
18	$58x^6 - 209x^5 + 265x^4 - 136x^3 + 20x^2 + 4x - 1$	$[-0.178, 1.285]$
19	$58x^6 - 210x^5 + 268x^4 - 139x^3 + 21x^2 + 4x - 1$	$[-0.176, 1.307]$
20	$27x^5 - 85x^4 + 85x^3 - 26x^2 - x + 1$	$[-0.166, 1.311]$
21	$58x^6 - 219x^5 + 296x^4 - 169x^3 + 34x^2 + 2x - 1$	$[-0.141, 1.315]$
22	$55x^6 - 210x^5 + 289x^4 - 171x^3 + 38x^2 + x - 1$	$[-0.131, 1.316]$

TABLE 6. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt[5]{8}\sqrt{6}} \right) < 1.4954$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$7x^3 + 7x^2 - 1$	$[-0.737, 0.328]$
2	$57x^6 + 81x^5 + 6x^4 - 32x^3 - 9x^2 + 3x + 1$	$[-0.728, 0.494]$
3	$7x^3 + 4x^2 - 2x - 1$	$[-0.684, 0.517]$
4	$3x^2 - 1$	$[-0.577, 0.577]$
5	$7x^3 - 4x^2 - 2x + 1$	$[-0.517, 0.684]$
6	$57x^6 - 81x^5 + 6x^4 + 32x^3 - 9x^2 - 3x + 1$	$[-0.494, 0.728]$
7	$7x^3 - 7x^2 + 1$	$[-0.328, 0.737]$
8	$55x^6 - 120x^5 + 64x^4 + 15x^3 - 16x^2 + 1$	$[-0.316, 1.131]$
9	$27x^5 - 50x^4 + 15x^3 + 11x^2 - 3x - 1$	$[-0.311, 1.166]$
10	$7x^3 - 9x^2 + 1$	$[-0.300, 1.184]$
11	$57x^6 - 138x^5 + 90x^4 + 6x^3 - 18x^2 + x + 1$	$[-0.287, 1.197]$
12	$28x^5 - 57x^4 + 23x^3 + 10x^2 - 4x - 1$	$[-0.280, 1.211]$
13	$7x^3 - 10x^2 + x + 1$	$[-0.252, 1.214]$
14	$57x^6 - 171x^5 + 153x^4 - 21x^3 - 21x^2 + 3x + 1$	$[-0.228, 1.228]$
15	$7x^3 - 11x^2 + 2x + 1$	$[-0.214, 1.252]$
16	$28x^5 - 83x^4 + 75x^3 - 17x^2 - 3x + 1$	$[-0.211, 1.280]$
17	$57x^6 - 204x^5 + 255x^4 - 126x^3 + 15x^2 + 5x - 1$	$[-0.197, 1.287]$
18	$7x^3 - 12x^2 + 3x + 1$	$[-0.184, 1.300]$
19	$27x^5 - 85x^4 + 85x^3 - 26x^2 - x + 1$	$[-0.166, 1.311]$
20	$55x^6 - 210x^5 + 289x^4 - 171x^3 + 38x^2 + x - 1$	$[-0.131, 1.316]$

TABLE 7. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt[57]{6}} \right) < 1.4980$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$7x^3 + 7x^2 - 1$	$[-0.737, 0.328]$
2	$7x^3 + 4x^2 - 2x - 1$	$[-0.684, 0.517]$
3	$3x^2 - 1$	$[-0.577, 0.577]$
4	$7x^3 - 4x^2 - 2x + 1$	$[-0.517, 0.684]$
5	$7x^3 - 7x^2 + 1$	$[-0.328, 0.737]$
6	$55x^6 - 120x^5 + 64x^4 + 15x^3 - 16x^2 + 1$	$[-0.316, 1.131]$
7	$27x^5 - 50x^4 + 15x^3 + 11x^2 - 3x - 1$	$[-0.311, 1.166]$
8	$7x^3 - 9x^2 + 1$	$[-0.300, 1.184]$
9	$56x^6 - 136x^5 + 89x^4 + 6x^3 - 18x^2 + x + 1$	$[-0.295, 1.200]$
10	$14x^4 - 26x^3 + 10x^2 + 2x - 1$	$[-0.290, 1.209]$
11	$28x^5 - 57x^4 + 23x^3 + 10x^2 - 4x - 1$	$[-0.280, 1.211]$
12	$7x^3 - 10x^2 + x + 1$	$[-0.252, 1.214]$
13	$53x^6 - 159x^5 + 142x^4 - 19x^3 - 20x^2 + 3x + 1$	$[-0.241, 1.241]$
14	$7x^3 - 11x^2 + 2x + 1$	$[-0.214, 1.252]$
15	$28x^5 - 83x^4 + 75x^3 - 17x^2 - 3x + 1$	$[-0.211, 1.280]$
16	$14x^4 - 30x^3 + 16x^2 - 1$	$[-0.209, 1.290]$
17	$56x^6 - 200x^5 + 249x^4 - 122x^3 + 14x^2 + 5x - 1$	$[-0.200, 1.295]$
18	$7x^3 - 12x^2 + 3x + 1$	$[-0.184, 1.300]$
19	$27x^5 - 85x^4 + 85x^3 - 26x^2 - x + 1$	$[-0.166, 1.311]$
20	$55x^6 - 210x^5 + 289x^4 - 171x^3 + 38x^2 + x - 1$	$[-0.131, 1.316]$

TABLE 8. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt[56]{6}} \right) < 1.5044$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$7x^3 + 7x^2 - 1$	$[-0.737, 0.328]$
2	$7x^3 + 4x^2 - 2x - 1$	$[-0.684, 0.517]$
3	$3x^2 - 1$	$[-0.577, 0.577]$
4	$7x^3 - 4x^2 - 2x + 1$	$[-0.517, 0.684]$
5	$7x^3 - 7x^2 + 1$	$[-0.328, 0.737]$
6	$27x^5 - 46x^4 + 9x^3 + 12x^2 - 2x - 1$	$[-0.322, 1.144]$
7	$27x^5 - 50x^4 + 15x^3 + 11x^2 - 3x - 1$	$[-0.311, 1.166]$
8	$7x^3 - 9x^2 + 1$	$[-0.300, 1.184]$
9	$14x^4 - 26x^3 + 10x^2 + 2x - 1$	$[-0.290, 1.209]$
10	$7x^3 - 10x^2 + x + 1$	$[-0.252, 1.214]$
11	$14x^4 - 28x^3 + 13x^2 + x - 1$	$[-0.245, 1.245]$
12	$7x^3 - 11x^2 + 2x + 1$	$[-0.214, 1.252]$
13	$14x^4 - 30x^3 + 16x^2 - 1$	$[-0.209, 1.290]$
14	$7x^3 - 12x^2 + 3x + 1$	$[-0.184, 1.300]$
15	$27x^5 - 85x^4 + 85x^3 - 26x^2 - x + 1$	$[-0.166, 1.311]$
16	$27x^5 - 89x^4 + 95x^3 - 33x^2 + 1$	$[-0.144, 1.322]$

TABLE 9. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt[4]{4}} \right) < 1.5092$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$7x^3 + 7x^2 - 1$	$[-0.737, 0.328]$
2	$7x^3 + 4x^2 - 2x - 1$	$[-0.684, 0.517]$
3	$3x^2 - 1$	$[-0.577, 0.577]$
4	$7x^3 - 4x^2 - 2x + 1$	$[-0.517, 0.684]$
5	$7x^3 - 7x^2 + 1$	$[-0.328, 0.737]$
6	$7x^3 - 9x^2 + 1$	$[-0.300, 1.184]$
7	$51x^6 - 124x^5 + 81x^4 + 6x^3 - 17x^2 + x + 1$	$[-0.298, 1.209]$
8	$7x^3 - 10x^2 + x + 1$	$[-0.252, 1.214]$
9	$7x^3 - 11x^2 + 2x + 1$	$[-0.214, 1.252]$
10	$51x^6 - 182x^5 + 226x^4 - 110x^3 + 12x^2 + 5x - 1$	$[-0.209, 1.298]$
11	$7x^3 - 12x^2 + 3x + 1$	$[-0.184, 1.300]$

TABLE 10. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt[5]{6}} \right) < 1.5123$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$7x^3 + 7x^2 - 1$	$[-0.737, 0.328]$
2	$7x^3 + 4x^2 - 2x - 1$	$[-0.684, 0.517]$
3	$3x^2 - 1$	$[-0.577, 0.577]$
4	$7x^3 - 4x^2 - 2x + 1$	$[-0.517, 0.684]$
5	$7x^3 - 7x^2 + 1$	$[-0.328, 0.737]$
6	$7x^3 - 9x^2 + 1$	$[-0.300, 1.184]$
7	$7x^3 - 10x^2 + x + 1$	$[-0.252, 1.214]$
8	$7x^3 - 11x^2 + 2x + 1$	$[-0.214, 1.252]$
9	$7x^3 - 12x^2 + 3x + 1$	$[-0.184, 1.300]$

TABLE 11. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt{3}} \right) < 1.5141$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$25x^5 + 33x^4 - 11x^2 - x + 1$	$[-0.866, 0.422]$
2	$3x^2 + x - 1$	$[-0.768, 0.434]$
3	$23x^5 + 19x^4 - 10x^3 - 9x^2 + x + 1$	$[-0.723, 0.537]$
4	$3x^2 - 1$	$[-0.577, 0.577]$
5	$23x^5 - 19x^4 - 10x^3 + 9x^2 + x - 1$	$[-0.537, 0.723]$
6	$3x^2 - x - 1$	$[-0.434, 0.768]$
7	$25x^5 - 33x^4 + 11x^2 - x - 1$	$[-0.422, 0.866]$
8	$24x^5 - 33x^4 - 3x^3 + 12x^2 - 1$	$[-0.419, 1.108]$
9	$25x^5 - 37x^4 + x^3 + 12x^2 - x - 1$	$[-0.416, 1.110]$
10	$43x^6 - 63x^5 - 10x^4 + 32x^3 + 3x^2 - 5x - 1$	$[-0.409, 1.110]$
11	$48x^6 - 91x^5 + 28x^4 + 27x^3 - 12x^2 - 2x + 1$	$[-0.402, 1.117]$
12	$41x^6 - 55x^5 - 17x^4 + 29x^3 + 6x^2 - 4x - 1$	$[-0.401, 1.118]$
13	$25x^5 - 38x^4 + 2x^3 + 12x^2 - x - 1$	$[-0.387, 1.120]$
14	$13x^4 - 15x^3 - 4x^2 + 4x + 1$	$[-0.381, 1.133]$
15	$48x^6 - 99x^5 + 43x^4 + 21x^3 - 14x^2 - x + 1$	$[-0.367, 1.133]$
16	$44x^6 - 94x^5 + 43x^4 + 20x^3 - 14x^2 - x + 1$	$[-0.362, 1.168]$
17	$23x^5 - 40x^4 + 8x^3 + 11x^2 - 2x - 1$	$[-0.338, 1.170]$
18	$48x^6 - 111x^5 + 63x^4 + 14x^3 - 16x^2 + 1$	$[-0.331, 1.204]$
19	$25x^5 - 48x^4 + 15x^3 + 11x^2 - 3x - 1$	$[-0.323, 1.210]$
20	$13x^4 - 24x^3 + 9x^2 + 2x - 1$	$[-0.303, 1.215]$
21	$25x^5 - 49x^4 + 16x^3 + 11x^2 - 3x - 1$	$[-0.300, 1.233]$
22	$48x^6 - 134x^5 + 102x^4 + 3x^3 - 20x^2 + x + 1$	$[-0.298, 1.237]$
23	$13x^4 - 25x^3 + 10x^2 + 2x - 1$	$[-0.293, 1.247]$
24	$13x^4 - 26x^3 + 12x^2 + x - 1$	$[-0.254, 1.254]$
25	$13x^4 - 27x^3 + 13x^2 + x - 1$	$[-0.247, 1.293]$
26	$48x^6 - 154x^5 + 152x^4 - 31x^3 - 19x^2 + 4x + 1$	$[-0.237, 1.298]$
27	$25x^5 - 76x^4 + 70x^3 - 15x^2 - 4x + 1$	$[-0.233, 1.300]$
28	$13x^4 - 28x^3 + 15x^2 - 1$	$[-0.215, 1.303]$
29	$25x^5 - 77x^4 + 73x^3 - 18x^2 - 3x + 1$	$[-0.210, 1.323]$
30	$48x^6 - 177x^5 + 228x^4 - 116x^3 + 14x^2 + 5x - 1$	$[-0.204, 1.331]$
31	$23x^5 - 75x^4 + 78x^3 - 25x^2 - x + 1$	$[-0.170, 1.338]$
32	$44x^6 - 170x^5 + 233x^4 - 132x^3 + 24x^2 + 3x - 1$	$[-0.168, 1.362]$
33	$48x^6 - 189x^5 + 268x^4 - 163x^3 + 37x^2 + x - 1$	$[-0.133, 1.367]$
34	$13x^4 - 37x^3 + 29x^2 - 3x - 1$	$[-0.133, 1.381]$
35	$25x^5 - 87x^4 + 100x^3 - 40x^2 + 2x + 1$	$[-0.120, 1.387]$
36	$41x^6 - 191x^5 + 323x^4 - 231x^3 + 56x^2 + 2x - 1$	$[-0.118, 1.401]$
37	$48x^6 - 197x^5 + 293x^4 - 189x^3 + 47x^2 - 1$	$[-0.117, 1.402]$
38	$43x^6 - 195x^5 + 320x^4 - 222x^3 + 54x^2 - 1$	$[-0.110, 1.409]$
39	$25x^5 - 88x^4 + 103x^3 - 43x^2 + 3x + 1$	$[-0.110, 1.416]$
40	$24x^5 - 87x^4 + 105x^3 - 45x^2 + 3x + 1$	$[-0.108, 1.419]$

TABLE 12. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt[48]{6}} \right) < 1.5472$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$25x^5 + 33x^4 - 11x^2 - x + 1$	$[-0.866, 0.422]$
2	$3x^2 + x - 1$	$[-0.768, 0.434]$
3	$23x^5 + 19x^4 - 10x^3 - 9x^2 + x + 1$	$[-0.723, 0.537]$
4	$3x^2 - 1$	$[-0.577, 0.577]$
5	$23x^5 - 19x^4 - 10x^3 + 9x^2 + x - 1$	$[-0.537, 0.723]$
6	$3x^2 - x - 1$	$[-0.434, 0.768]$
7	$25x^5 - 33x^4 + 11x^2 - x - 1$	$[-0.422, 0.866]$
8	$24x^5 - 33x^4 - 3x^3 + 12x^2 - 1$	$[-0.419, 1.108]$
9	$25x^5 - 37x^4 + x^3 + 12x^2 - x - 1$	$[-0.416, 1.110]$
10	$43x^6 - 63x^5 - 10x^4 + 32x^3 + 3x^2 - 5x - 1$	$[-0.409, 1.110]$
11	$41x^6 - 55x^5 - 17x^4 + 29x^3 + 6x^2 - 4x - 1$	$[-0.401, 1.118]$
12	$25x^5 - 38x^4 + 2x^3 + 12x^2 - x - 1$	$[-0.387, 1.120]$
13	$13x^4 - 15x^3 - 4x^2 + 4x + 1$	$[-0.381, 1.133]$
14	$47x^6 - 98x^5 + 43x^4 + 21x^3 - 14x^2 - x + 1$	$[-0.372, 1.146]$
15	$23x^5 - 39x^4 + 7x^3 + 11x^2 - 2x - 1$	$[-0.370, 1.154]$
16	$25x^5 - 43x^4 + 8x^3 + 12x^2 - 2x - 1$	$[-0.370, 1.162]$
17	$44x^6 - 94x^5 + 43x^4 + 20x^3 - 14x^2 - x + 1$	$[-0.362, 1.168]$
18	$23x^5 - 40x^4 + 8x^3 + 11x^2 - 2x - 1$	$[-0.338, 1.170]$
19	$25x^5 - 48x^4 + 15x^3 + 11x^2 - 3x - 1$	$[-0.323, 1.210]$
20	$13x^4 - 24x^3 + 9x^2 + 2x - 1$	$[-0.303, 1.215]$
21	$25x^5 - 49x^4 + 16x^3 + 11x^2 - 3x - 1$	$[-0.300, 1.233]$
22	$13x^4 - 25x^3 + 10x^2 + 2x - 1$	$[-0.293, 1.247]$
23	$13x^4 - 26x^3 + 12x^2 + x - 1$	$[-0.254, 1.254]$
24	$13x^4 - 27x^3 + 13x^2 + x - 1$	$[-0.247, 1.293]$
25	$25x^5 - 76x^4 + 70x^3 - 15x^2 - 4x + 1$	$[-0.233, 1.300]$
26	$13x^4 - 28x^3 + 15x^2 - 1$	$[-0.215, 1.303]$
27	$25x^5 - 77x^4 + 73x^3 - 18x^2 - 3x + 1$	$[-0.210, 1.323]$
28	$23x^5 - 75x^4 + 78x^3 - 25x^2 - x + 1$	$[-0.170, 1.338]$
29	$44x^6 - 170x^5 + 233x^4 - 132x^3 + 24x^2 + 3x - 1$	$[-0.168, 1.362]$
30	$25x^5 - 82x^4 + 86x^3 - 28x^2 - x + 1$	$[-0.162, 1.370]$
31	$23x^5 - 76x^4 + 81x^3 - 28x^2 + 1$	$[-0.154, 1.370]$
32	$47x^6 - 184x^5 + 258x^4 - 153x^3 + 32x^2 + 2x - 1$	$[-0.146, 1.372]$
33	$13x^4 - 37x^3 + 29x^2 - 3x - 1$	$[-0.133, 1.381]$
34	$25x^5 - 87x^4 + 100x^3 - 40x^2 + 2x + 1$	$[-0.120, 1.387]$
35	$41x^6 - 191x^5 + 323x^4 - 231x^3 + 56x^2 + 2x - 1$	$[-0.118, 1.401]$
36	$43x^6 - 195x^5 + 320x^4 - 222x^3 + 54x^2 - 1$	$[-0.110, 1.409]$
37	$25x^5 - 88x^4 + 103x^3 - 43x^2 + 3x + 1$	$[-0.110, 1.416]$
38	$24x^5 - 87x^4 + 105x^3 - 45x^2 + 3x + 1$	$[-0.108, 1.419]$

TABLE 13. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt[25]{5}} \right) < 1.5482$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$3x^2 + x - 1$	$[-0.768, 0.434]$
2	$23x^5 + 19x^4 - 10x^3 - 9x^2 + x + 1$	$[-0.723, 0.537]$
3	$3x^2 - 1$	$[-0.577, 0.577]$
4	$23x^5 - 19x^4 - 10x^3 + 9x^2 + x - 1$	$[-0.537, 0.723]$
5	$3x^2 - x - 1$	$[-0.434, 0.768]$
6	$13x^4 - 12x^3 - 6x^2 + 3x + 1$	$[-0.430, 1.093]$
7	$23x^5 - 30x^4 - 4x^3 + 11x^2 - 1$	$[-0.422, 1.094]$
8	$24x^5 - 33x^4 - 3x^3 + 12x^2 - 1$	$[-0.419, 1.108]$
9	$43x^6 - 63x^5 - 10x^4 + 32x^3 + 3x^2 - 5x - 1$	$[-0.409, 1.110]$
10	$41x^6 - 55x^5 - 17x^4 + 29x^3 + 6x^2 - 4x - 1$	$[-0.401, 1.118]$
11	$24x^5 - 37x^4 + 2x^3 + 12x^2 - x - 1$	$[-0.400, 1.132]$
12	$13x^4 - 15x^3 - 4x^2 + 4x + 1$	$[-0.381, 1.133]$
13	$23x^5 - 39x^4 + 7x^3 + 11x^2 - 2x - 1$	$[-0.370, 1.154]$
14	$44x^6 - 94x^5 + 43x^4 + 20x^3 - 14x^2 - x + 1$	$[-0.362, 1.168]$
15	$23x^5 - 40x^4 + 8x^3 + 11x^2 - 2x - 1$	$[-0.338, 1.170]$
16	$13x^4 - 24x^3 + 9x^2 + 2x - 1$	$[-0.303, 1.215]$
17	$13x^4 - 25x^3 + 10x^2 + 2x - 1$	$[-0.293, 1.247]$
18	$13x^4 - 26x^3 + 12x^2 + x - 1$	$[-0.254, 1.254]$
19	$13x^4 - 27x^3 + 13x^2 + x - 1$	$[-0.247, 1.293]$
20	$13x^4 - 28x^3 + 15x^2 - 1$	$[-0.215, 1.303]$
21	$23x^5 - 75x^4 + 78x^3 - 25x^2 - x + 1$	$[-0.170, 1.338]$
22	$44x^6 - 170x^5 + 233x^4 - 132x^3 + 24x^2 + 3x - 1$	$[-0.168, 1.362]$
23	$23x^5 - 76x^4 + 81x^3 - 28x^2 + 1$	$[-0.154, 1.370]$
24	$13x^4 - 37x^3 + 29x^2 - 3x - 1$	$[-0.133, 1.381]$
25	$24x^5 - 83x^4 + 94x^3 - 36x^2 + x + 1$	$[-0.132, 1.400]$
26	$41x^6 - 191x^5 + 323x^4 - 231x^3 + 56x^2 + 2x - 1$	$[-0.118, 1.401]$
27	$43x^6 - 195x^5 + 320x^4 - 222x^3 + 54x^2 - 1$	$[-0.110, 1.409]$
28	$24x^5 - 87x^4 + 105x^3 - 45x^2 + 3x + 1$	$[-0.108, 1.419]$
29	$23x^5 - 85x^4 + 106x^3 - 49x^2 + 5x + 1$	$[-0.094, 1.422]$
30	$13x^4 - 40x^3 + 36x^2 - 7x - 1$	$[-0.093, 1.430]$

TABLE 14. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt[13]{4}} \right) < 1.5533$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$3x^2 + x - 1$	$[-0.768, 0.434]$
2	$23x^5 + 19x^4 - 10x^3 - 9x^2 + x + 1$	$[-0.723, 0.537]$
3	$3x^2 - 1$	$[-0.577, 0.577]$
4	$23x^5 - 19x^4 - 10x^3 + 9x^2 + x - 1$	$[-0.537, 0.723]$
5	$3x^2 - x - 1$	$[-0.434, 0.768]$
6	$23x^5 - 30x^4 - 4x^3 + 11x^2 - 1$	$[-0.422, 1.094]$
7	$24x^5 - 33x^4 - 3x^3 + 12x^2 - 1$	$[-0.419, 1.108]$
8	$43x^6 - 63x^5 - 10x^4 + 32x^3 + 3x^2 - 5x - 1$	$[-0.409, 1.110]$
9	$41x^6 - 55x^5 - 17x^4 + 29x^3 + 6x^2 - 4x - 1$	$[-0.401, 1.118]$
10	$24x^5 - 37x^4 + 2x^3 + 12x^2 - x - 1$	$[-0.400, 1.132]$
11	$46x^6 - 96x^5 + 42x^4 + 21x^3 - 14x^2 - x + 1$	$[-0.386, 1.148]$
12	$21x^5 - 33x^4 + 2x^3 + 11x^2 - x - 1$	$[-0.384, 1.153]$
13	$23x^5 - 39x^4 + 7x^3 + 11x^2 - 2x - 1$	$[-0.370, 1.154]$
14	$44x^6 - 94x^5 + 43x^4 + 20x^3 - 14x^2 - x + 1$	$[-0.362, 1.168]$
15	$23x^5 - 40x^4 + 8x^3 + 11x^2 - 2x - 1$	$[-0.338, 1.170]$
16	$6x^3 - 8x^2 + 1$	$[-0.318, 1.222]$
17	$45x^6 - 125x^5 + 94x^4 + 4x^3 - 19x^2 + x + 1$	$[-0.307, 1.232]$
18	$12x^4 - 23x^3 + 9x^2 + 2x - 1$	$[-0.306, 1.256]$
19	$46x^6 - 126x^5 + 90x^4 + 10x^3 - 20x^2 + 1$	$[-0.301, 1.258]$
20	$3x^2 - 3x - 1$	$[-0.264, 1.264]$
21	$46x^6 - 150x^5 + 150x^4 - 30x^3 - 20x^2 + 4x + 1$	$[-0.258, 1.301]$
22	$12x^4 - 25x^3 + 12x^2 + x - 1$	$[-0.256, 1.306]$
23	$45x^6 - 145x^5 + 144x^4 - 30x^3 - 18x^2 + 4x + 1$	$[-0.232, 1.307]$
24	$6x^3 - 10x^2 + 2x + 1$	$[-0.222, 1.318]$
25	$23x^5 - 75x^4 + 78x^3 - 25x^2 - x + 1$	$[-0.170, 1.338]$
26	$44x^6 - 170x^5 + 233x^4 - 132x^3 + 24x^2 + 3x - 1$	$[-0.168, 1.362]$
27	$23x^5 - 76x^4 + 81x^3 - 28x^2 + 1$	$[-0.154, 1.370]$
28	$21x^5 - 72x^4 + 80x^3 - 29x^2 + 1$	$[-0.153, 1.384]$
29	$46x^6 - 180x^5 + 252x^4 - 149x^3 + 31x^2 + 2x - 1$	$[-0.148, 1.386]$
30	$24x^5 - 83x^4 + 94x^3 - 36x^2 + x + 1$	$[-0.132, 1.400]$
31	$41x^6 - 191x^5 + 323x^4 - 231x^3 + 56x^2 + 2x - 1$	$[-0.118, 1.401]$
32	$43x^6 - 195x^5 + 320x^4 - 222x^3 + 54x^2 - 1$	$[-0.110, 1.409]$
33	$24x^5 - 87x^4 + 105x^3 - 45x^2 + 3x + 1$	$[-0.108, 1.419]$
34	$23x^5 - 85x^4 + 106x^3 - 49x^2 + 5x + 1$	$[-0.094, 1.422]$

TABLE 15. Polynomials used to prove $L_+ \left(\frac{1}{46\sqrt{6}} \right) < 1.5652$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$3x^2 + x - 1$	$[-0.768, 0.434]$
2	$23x^5 + 19x^4 - 10x^3 - 9x^2 + x + 1$	$[-0.723, 0.537]$
3	$3x^2 - 1$	$[-0.577, 0.577]$
4	$23x^5 - 19x^4 - 10x^3 + 9x^2 + x - 1$	$[-0.537, 0.723]$
5	$3x^2 - x - 1$	$[-0.434, 0.768]$
6	$23x^5 - 30x^4 - 4x^3 + 11x^2 - 1$	$[-0.422, 1.094]$
7	$43x^6 - 63x^5 - 10x^4 + 32x^3 + 3x^2 - 5x - 1$	$[-0.409, 1.110]$
8	$41x^6 - 55x^5 - 17x^4 + 29x^3 + 6x^2 - 4x - 1$	$[-0.401, 1.118]$
9	$45x^6 - 94x^5 + 41x^4 + 21x^3 - 14x^2 - x + 1$	$[-0.397, 1.150]$
10	$21x^5 - 33x^4 + 2x^3 + 11x^2 - x - 1$	$[-0.384, 1.153]$
11	$23x^5 - 39x^4 + 7x^3 + 11x^2 - 2x - 1$	$[-0.370, 1.154]$
12	$44x^6 - 94x^5 + 43x^4 + 20x^3 - 14x^2 - x + 1$	$[-0.362, 1.168]$
13	$23x^5 - 40x^4 + 8x^3 + 11x^2 - 2x - 1$	$[-0.338, 1.170]$
14	$6x^3 - 8x^2 + 1$	$[-0.318, 1.222]$
15	$45x^6 - 125x^5 + 94x^4 + 4x^3 - 19x^2 + x + 1$	$[-0.307, 1.232]$
16	$12x^4 - 23x^3 + 9x^2 + 2x - 1$	$[-0.306, 1.256]$
17	$3x^2 - 3x - 1$	$[-0.264, 1.264]$
18	$12x^4 - 25x^3 + 12x^2 + x - 1$	$[-0.256, 1.306]$
19	$45x^6 - 145x^5 + 144x^4 - 30x^3 - 18x^2 + 4x + 1$	$[-0.232, 1.307]$
20	$6x^3 - 10x^2 + 2x + 1$	$[-0.222, 1.318]$
21	$23x^5 - 75x^4 + 78x^3 - 25x^2 - x + 1$	$[-0.170, 1.338]$
22	$44x^6 - 170x^5 + 233x^4 - 132x^3 + 24x^2 + 3x - 1$	$[-0.168, 1.362]$
23	$23x^5 - 76x^4 + 81x^3 - 28x^2 + 1$	$[-0.154, 1.370]$
24	$21x^5 - 72x^4 + 80x^3 - 29x^2 + 1$	$[-0.153, 1.384]$
25	$45x^6 - 176x^5 + 246x^4 - 145x^3 + 30x^2 + 2x - 1$	$[-0.150, 1.397]$
26	$41x^6 - 191x^5 + 323x^4 - 231x^3 + 56x^2 + 2x - 1$	$[-0.118, 1.401]$
27	$43x^6 - 195x^5 + 320x^4 - 222x^3 + 54x^2 - 1$	$[-0.110, 1.409]$
28	$23x^5 - 85x^4 + 106x^3 - 49x^2 + 5x + 1$	$[-0.094, 1.422]$

TABLE 16. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt[45]{6}} \right) < 1.5702$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$3x^2 + x - 1$	$[-0.768, 0.434]$
2	$23x^5 + 19x^4 - 10x^3 - 9x^2 + x + 1$	$[-0.723, 0.537]$
3	$3x^2 - 1$	$[-0.577, 0.577]$
4	$23x^5 - 19x^4 - 10x^3 + 9x^2 + x - 1$	$[-0.537, 0.723]$
5	$3x^2 - x - 1$	$[-0.434, 0.768]$
6	$23x^5 - 30x^4 - 4x^3 + 11x^2 - 1$	$[-0.422, 1.094]$
7	$43x^6 - 63x^5 - 10x^4 + 32x^3 + 3x^2 - 5x - 1$	$[-0.409, 1.110]$
8	$41x^6 - 55x^5 - 17x^4 + 29x^3 + 6x^2 - 4x - 1$	$[-0.401, 1.118]$
9	$21x^5 - 33x^4 + 2x^3 + 11x^2 - x - 1$	$[-0.384, 1.153]$
10	$23x^5 - 39x^4 + 7x^3 + 11x^2 - 2x - 1$	$[-0.370, 1.154]$
11	$23x^5 - 40x^4 + 8x^3 + 11x^2 - 2x - 1$	$[-0.338, 1.170]$
12	$6x^3 - 8x^2 + 1$	$[-0.318, 1.222]$
13	$43x^6 - 120x^5 + 88x^4 + 9x^3 - 20x^2 + 1$	$[-0.307, 1.253]$
14	$12x^4 - 23x^3 + 9x^2 + 2x - 1$	$[-0.306, 1.256]$
15	$3x^2 - 3x - 1$	$[-0.264, 1.264]$
16	$12x^4 - 25x^3 + 12x^2 + x - 1$	$[-0.256, 1.306]$
17	$43x^6 - 138x^5 + 133x^4 - 21x^3 - 20x^2 + 3x + 1$	$[-0.253, 1.307]$
18	$6x^3 - 10x^2 + 2x + 1$	$[-0.222, 1.318]$
19	$23x^5 - 75x^4 + 78x^3 - 25x^2 - x + 1$	$[-0.170, 1.338]$
20	$23x^5 - 76x^4 + 81x^3 - 28x^2 + 1$	$[-0.154, 1.370]$
21	$21x^5 - 72x^4 + 80x^3 - 29x^2 + 1$	$[-0.153, 1.384]$
22	$41x^6 - 191x^5 + 323x^4 - 231x^3 + 56x^2 + 2x - 1$	$[-0.118, 1.401]$
23	$43x^6 - 195x^5 + 320x^4 - 222x^3 + 54x^2 - 1$	$[-0.110, 1.409]$
24	$23x^5 - 85x^4 + 106x^3 - 49x^2 + 5x + 1$	$[-0.094, 1.422]$

TABLE 17. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt[23]{5}} \right) < 1.5707$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$3x^2 + x - 1$	$[-0.768, 0.434]$
2	$11x^4 + 13x^3 - 4x - 1$	$[-0.756, 0.552]$
3	$3x^2 - 1$	$[-0.577, 0.577]$
4	$11x^4 - 13x^3 + 4x - 1$	$[-0.552, 0.756]$
5	$3x^2 - x - 1$	$[-0.434, 0.768]$
6	$41x^6 - 55x^5 - 17x^4 + 29x^3 + 6x^2 - 4x - 1$	$[-0.401, 1.118]$
7	$21x^5 - 33x^4 + 2x^3 + 11x^2 - x - 1$	$[-0.384, 1.153]$
8	$22x^5 - 38x^4 + 7x^3 + 11x^2 - 2x - 1$	$[-0.379, 1.173]$
9	$11x^4 - 14x^3 - 3x^2 + 4x + 1$	$[-0.352, 1.192]$
10	$6x^3 - 8x^2 + 1$	$[-0.318, 1.222]$
11	$12x^4 - 23x^3 + 9x^2 + 2x - 1$	$[-0.306, 1.256]$
12	$3x^2 - 3x - 1$	$[-0.264, 1.264]$
13	$12x^4 - 25x^3 + 12x^2 + x - 1$	$[-0.256, 1.306]$
14	$6x^3 - 10x^2 + 2x + 1$	$[-0.222, 1.318]$
15	$11x^4 - 30x^3 + 21x^2 - 1$	$[-0.192, 1.352]$
16	$22x^5 - 72x^4 + 75x^3 - 24x^2 - x + 1$	$[-0.173, 1.379]$
17	$21x^5 - 72x^4 + 80x^3 - 29x^2 + 1$	$[-0.153, 1.384]$
18	$41x^6 - 191x^5 + 323x^4 - 231x^3 + 56x^2 + 2x - 1$	$[-0.118, 1.401]$

TABLE 18. Polynomials used to prove $L_+\left(\frac{1}{\sqrt[12]{4}}\right) < 1.5739$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$3x^2 + x - 1$	$[-0.768, 0.434]$
2	$11x^4 + 13x^3 - 4x - 1$	$[-0.756, 0.552]$
3	$3x^2 - 1$	$[-0.577, 0.577]$
4	$11x^4 - 13x^3 + 4x - 1$	$[-0.552, 0.756]$
5	$3x^2 - x - 1$	$[-0.434, 0.768]$
6	$11x^4 - 11x^3 - 5x^2 + 3x + 1$	$[-0.411, 1.125]$
7	$21x^5 - 33x^4 + 2x^3 + 11x^2 - x - 1$	$[-0.384, 1.153]$
8	$11x^4 - 14x^3 - 3x^2 + 4x + 1$	$[-0.352, 1.192]$
9	$6x^3 - 8x^2 + 1$	$[-0.318, 1.222]$
10	$3x^2 - 3x - 1$	$[-0.264, 1.264]$
11	$6x^3 - 10x^2 + 2x + 1$	$[-0.222, 1.318]$
12	$11x^4 - 30x^3 + 21x^2 - 1$	$[-0.192, 1.352]$
13	$21x^5 - 72x^4 + 80x^3 - 29x^2 + 1$	$[-0.153, 1.384]$
14	$11x^4 - 33x^3 + 28x^2 - 4x - 1$	$[-0.125, 1.411]$

TABLE 19. Polynomials used to prove $L_+\left(\frac{1}{\sqrt[21]{5}}\right) < 1.5815$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$3x^2 + x - 1$	$[-0.768, 0.434]$
2	$11x^4 + 13x^3 - 4x - 1$	$[-0.756, 0.552]$
3	$3x^2 - 1$	$[-0.577, 0.577]$
4	$11x^4 - 13x^3 + 4x - 1$	$[-0.552, 0.756]$
5	$3x^2 - x - 1$	$[-0.434, 0.768]$
6	$11x^4 - 11x^3 - 5x^2 + 3x + 1$	$[-0.411, 1.125]$
7	$20x^5 - 32x^4 + 2x^3 + 11x^2 - x - 1$	$[-0.404, 1.172]$
8	$6x^3 - 7x^2 - x + 1$	$[-0.386, 1.189]$
9	$11x^4 - 14x^3 - 3x^2 + 4x + 1$	$[-0.352, 1.192]$
10	$6x^3 - 8x^2 + 1$	$[-0.318, 1.222]$
11	$3x^2 - 3x - 1$	$[-0.264, 1.264]$
12	$6x^3 - 10x^2 + 2x + 1$	$[-0.222, 1.318]$
13	$11x^4 - 30x^3 + 21x^2 - 1$	$[-0.192, 1.352]$
14	$6x^3 - 11x^2 + 3x + 1$	$[-0.189, 1.386]$
15	$20x^5 - 68x^4 + 74x^3 - 25x^2 - x + 1$	$[-0.172, 1.404]$
16	$11x^4 - 33x^3 + 28x^2 - 4x - 1$	$[-0.125, 1.411]$

TABLE 20. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt[11]{4}} \right) < 1.5928$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$3x^2 + x - 1$	$[-0.768, 0.434]$
2	$3x^2 - 1$	$[-0.577, 0.577]$
3	$3x^2 - x - 1$	$[-0.434, 0.768]$
4	$20x^5 - 32x^4 + 2x^3 + 11x^2 - x - 1$	$[-0.404, 1.172]$
5	$6x^3 - 7x^2 - x + 1$	$[-0.386, 1.189]$
6	$36x^6 - 71x^5 + 8x^4 + 36x^3 - x^2 - 6x - 1$	$[-0.384, 1.204]$
7	$6x^3 - 8x^2 + 1$	$[-0.318, 1.222]$
8	$3x^2 - 3x - 1$	$[-0.264, 1.264]$
9	$6x^3 - 10x^2 + 2x + 1$	$[-0.222, 1.318]$
10	$36x^6 - 145x^5 + 193x^4 - 78x^3 - 15x^2 + 7x + 1$	$[-0.204, 1.384]$
11	$6x^3 - 11x^2 + 3x + 1$	$[-0.189, 1.386]$
12	$20x^5 - 68x^4 + 74x^3 - 25x^2 - x + 1$	$[-0.172, 1.404]$

TABLE 21. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt[20]{5}} \right) < 1.6058$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$3x^2 + x - 1$	$[-0.768, 0.434]$
2	$3x^2 - 1$	$[-0.577, 0.577]$
3	$3x^2 - x - 1$	$[-0.434, 0.768]$
4	$6x^3 - 7x^2 - x + 1$	$[-0.386, 1.189]$
5	$36x^6 - 71x^5 + 8x^4 + 36x^3 - x^2 - 6x - 1$	$[-0.384, 1.204]$
6	$6x^3 - 8x^2 + 1$	$[-0.318, 1.222]$
7	$3x^2 - 3x - 1$	$[-0.264, 1.264]$
8	$6x^3 - 10x^2 + 2x + 1$	$[-0.222, 1.318]$
9	$36x^6 - 145x^5 + 193x^4 - 78x^3 - 15x^2 + 7x + 1$	$[-0.204, 1.384]$
10	$6x^3 - 11x^2 + 3x + 1$	$[-0.189, 1.386]$

TABLE 22. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt[20]{5}} \right) < 1.6232$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$3x^2 + x - 1$	$[-0.768, 0.434]$
2	$3x^2 - 1$	$[-0.577, 0.577]$
3	$3x^2 - x - 1$	$[-0.434, 0.768]$
4	$31x^6 - 50x^5 - 11x^4 + 30x^3 + 6x^2 - 4x - 1$	$[-0.433, 1.198]$
5	$34x^6 - 69x^5 + 23x^4 + 23x^3 - 11x^2 - 2x + 1$	$[-0.420, 1.199]$
6	$33x^6 - 71x^5 + 31x^4 + 18x^3 - 12x^2 - x + 1$	$[-0.407, 1.211]$
7	$10x^4 - 13x^3 - 3x^2 + 4x + 1$	$[-0.397, 1.223]$
8	$33x^6 - 85x^5 + 50x^4 + 18x^3 - 15x^2 - x + 1$	$[-0.358, 1.240]$
9	$3x^2 - 3x - 1$	$[-0.264, 1.264]$
10	$33x^6 - 113x^5 + 120x^4 - 28x^3 - 16x^2 + 4x + 1$	$[-0.240, 1.358]$
11	$10x^4 - 27x^3 + 18x^2 + x - 1$	$[-0.223, 1.397]$
12	$33x^6 - 127x^5 + 171x^4 - 92x^3 + 13x^2 + 4x - 1$	$[-0.211, 1.407]$
13	$34x^6 - 135x^5 + 188x^4 - 105x^3 + 16x^2 + 4x - 1$	$[-0.199, 1.420]$
14	$31x^6 - 136x^5 + 204x^4 - 106x^3 - 5x^2 + 10x + 1$	$[-0.198, 1.433]$

TABLE 23. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt[34]{6}} \right) < 1.6366$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$3x^2 + x - 1$	$[-0.768, 0.434]$
2	$3x^2 - 1$	$[-0.577, 0.577]$
3	$3x^2 - x - 1$	$[-0.434, 0.768]$
4	$31x^6 - 50x^5 - 11x^4 + 30x^3 + 6x^2 - 4x - 1$	$[-0.433, 1.198]$
5	$33x^6 - 71x^5 + 31x^4 + 18x^3 - 12x^2 - x + 1$	$[-0.407, 1.211]$
6	$10x^4 - 13x^3 - 3x^2 + 4x + 1$	$[-0.397, 1.223]$
7	$33x^6 - 85x^5 + 50x^4 + 18x^3 - 15x^2 - x + 1$	$[-0.358, 1.240]$
8	$3x^2 - 3x - 1$	$[-0.264, 1.264]$
9	$33x^6 - 113x^5 + 120x^4 - 28x^3 - 16x^2 + 4x + 1$	$[-0.240, 1.358]$
10	$10x^4 - 27x^3 + 18x^2 + x - 1$	$[-0.223, 1.397]$
11	$33x^6 - 127x^5 + 171x^4 - 92x^3 + 13x^2 + 4x - 1$	$[-0.211, 1.407]$
12	$31x^6 - 136x^5 + 204x^4 - 106x^3 - 5x^2 + 10x + 1$	$[-0.198, 1.433]$

TABLE 24. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt[33]{6}} \right) < 1.6439$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$3x^2 + x - 1$	$[-0.768, 0.434]$
2	$3x^2 - 1$	$[-0.577, 0.577]$
3	$3x^2 - x - 1$	$[-0.434, 0.768]$
4	$31x^6 - 50x^5 - 11x^4 + 30x^3 + 6x^2 - 4x - 1$	$[-0.433, 1.198]$
5	$10x^4 - 13x^3 - 3x^2 + 4x + 1$	$[-0.397, 1.223]$
6	$18x^5 - 33x^4 + 7x^3 + 10x^2 - 2x - 1$	$[-0.375, 1.240]$
7	$3x^2 - 3x - 1$	$[-0.264, 1.264]$
8	$18x^5 - 57x^4 + 55x^3 - 13x^2 - 3x + 1$	$[-0.240, 1.375]$
9	$10x^4 - 27x^3 + 18x^2 + x - 1$	$[-0.223, 1.397]$
10	$31x^6 - 136x^5 + 204x^4 - 106x^3 - 5x^2 + 10x + 1$	$[-0.198, 1.433]$

TABLE 25. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt[18]{5}} \right) < 1.6560$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$3x^2 + x - 1$	$[-0.768, 0.434]$
2	$3x^2 - 1$	$[-0.577, 0.577]$
3	$3x^2 - x - 1$	$[-0.434, 0.768]$
4	$31x^6 - 50x^5 - 11x^4 + 30x^3 + 6x^2 - 4x - 1$	$[-0.433, 1.198]$
5	$10x^4 - 13x^3 - 3x^2 + 4x + 1$	$[-0.397, 1.223]$
6	$32x^6 - 83x^5 + 47x^4 + 22x^3 - 16x^2 - 2x + 1$	$[-0.394, 1.257]$
7	$3x^2 - 3x - 1$	$[-0.264, 1.264]$
8	$32x^6 - 109x^5 + 112x^4 - 20x^3 - 18x^2 + 3x + 1$	$[-0.257, 1.394]$
9	$10x^4 - 27x^3 + 18x^2 + x - 1$	$[-0.223, 1.397]$
10	$31x^6 - 136x^5 + 204x^4 - 106x^3 - 5x^2 + 10x + 1$	$[-0.198, 1.433]$

TABLE 26. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt[32]{6}} \right) < 1.6582$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$3x^2 + x - 1$	$[-0.768, 0.434]$
2	$3x^2 - 1$	$[-0.577, 0.577]$
3	$3x^2 - x - 1$	$[-0.434, 0.768]$
4	$31x^6 - 50x^5 - 11x^4 + 30x^3 + 6x^2 - 4x - 1$	$[-0.433, 1.198]$
5	$10x^4 - 13x^3 - 3x^2 + 4x + 1$	$[-0.397, 1.223]$
6	$3x^2 - 3x - 1$	$[-0.264, 1.264]$
7	$10x^4 - 27x^3 + 18x^2 + x - 1$	$[-0.223, 1.397]$
8	$31x^6 - 136x^5 + 204x^4 - 106x^3 - 5x^2 + 10x + 1$	$[-0.198, 1.433]$

TABLE 27. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt[10]{4}} \right) < 1.6603$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$3x^2 + x - 1$	$[-0.768, 0.434]$
2	$3x^2 - 1$	$[-0.577, 0.577]$
3	$3x^2 - x - 1$	$[-0.434, 0.768]$
4	$31x^6 - 50x^5 - 11x^4 + 30x^3 + 6x^2 - 4x - 1$	$[-0.433, 1.198]$
5	$5x^3 - 6x^2 - x + 1$	$[-0.419, 1.230]$
6	$31x^6 - 77x^5 + 39x^4 + 23x^3 - 14x^2 - 2x + 1$	$[-0.399, 1.236]$
7	$3x^2 - 3x - 1$	$[-0.264, 1.264]$
8	$31x^6 - 109x^5 + 119x^4 - 29x^3 - 16x^2 + 4x + 1$	$[-0.236, 1.399]$
9	$5x^3 - 9x^2 + 2x + 1$	$[-0.230, 1.419]$
10	$31x^6 - 136x^5 + 204x^4 - 106x^3 - 5x^2 + 10x + 1$	$[-0.198, 1.433]$

TABLE 28. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt[31]{6}} \right) < 1.6631$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$3x^2 + x - 1$	$[-0.768, 0.434]$
2	$3x^2 - 1$	$[-0.577, 0.577]$
3	$3x^2 - x - 1$	$[-0.434, 0.768]$
4	$5x^3 - 6x^2 - x + 1$	$[-0.419, 1.230]$
5	$16x^5 - 27x^4 + 2x^3 + 10x^2 - x - 1$	$[-0.413, 1.239]$
6	$16x^5 - 33x^4 + 7x^3 + 13x^2 - x - 1$	$[-0.408, 1.252]$
7	$3x^2 - 3x - 1$	$[-0.264, 1.264]$
8	$16x^5 - 47x^4 + 35x^3 + 4x^2 - 6x - 1$	$[-0.252, 1.408]$
9	$16x^5 - 53x^4 + 54x^3 - 14x^2 - 3x + 1$	$[-0.239, 1.413]$
10	$5x^3 - 9x^2 + 2x + 1$	$[-0.230, 1.419]$

TABLE 29. Polynomials used to prove $L_+\left(\frac{1}{\sqrt[16]{5}}\right) < 1.6722$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$3x^2 + x - 1$	$[-0.768, 0.434]$
2	$3x^2 - 1$	$[-0.577, 0.577]$
3	$3x^2 - x - 1$	$[-0.434, 0.768]$
4	$5x^3 - 6x^2 - x + 1$	$[-0.419, 1.230]$
5	$3x^2 - 3x - 1$	$[-0.264, 1.264]$
6	$5x^3 - 9x^2 + 2x + 1$	$[-0.230, 1.419]$

TABLE 30. Polynomials used to prove $L_+\left(\frac{1}{\sqrt[3]{2}}\right) < 1.6824$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$5x^3 + 3x^2 - 2x - 1$	$[-0.785, 0.606]$
2	$2x^2 - 1$	$[-0.707, 0.707]$
3	$5x^3 - 3x^2 - 2x + 1$	$[-0.606, 0.785]$
4	$5x^3 - x^2 - 4x - 1$	$[-0.584, 1.096]$
5	$25x^6 - 23x^5 - 24x^4 + 15x^3 + 9x^2 - 2x - 1$	$[-0.575, 1.112]$
6	$25x^6 - 27x^5 - 20x^4 + 18x^3 + 7x^2 - 3x - 1$	$[-0.556, 1.120]$
7	$15x^5 - 18x^4 - 7x^3 + 9x^2 + x - 1$	$[-0.526, 1.144]$
8	$14x^5 - 20x^4 - 3x^3 + 9x^2 - 1$	$[-0.472, 1.191]$
9	$8x^4 - 9x^3 - 4x^2 + 3x + 1$	$[-0.456, 1.212]$
10	$5x^3 - 6x^2 - x + 1$	$[-0.419, 1.230]$
11	$5x^3 - 7x^2 + 1$	$[-0.339, 1.277]$
12	$5x^3 - 8x^2 + x + 1$	$[-0.277, 1.339]$
13	$5x^3 - 9x^2 + 2x + 1$	$[-0.230, 1.419]$
14	$8x^4 - 23x^3 + 17x^2 - 1$	$[-0.212, 1.456]$
15	$14x^5 - 50x^4 + 57x^3 - 20x^2 - x + 1$	$[-0.191, 1.472]$
16	$15x^5 - 57x^4 + 71x^3 - 30x^2 + x + 1$	$[-0.144, 1.526]$
17	$25x^6 - 123x^5 + 220x^4 - 168x^3 + 46x^2 - 1$	$[-0.120, 1.556]$
18	$25x^6 - 127x^5 + 236x^4 - 189x^3 + 55x^2 - 1$	$[-0.112, 1.575]$
19	$5x^3 - 14x^2 + 9x + 1$	$[-0.096, 1.584]$

TABLE 31. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt[15]{5}} \right) < 1.7171$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$5x^3 + 3x^2 - 2x - 1$	$[-0.785, 0.606]$
2	$2x^2 - 1$	$[-0.707, 0.707]$
3	$5x^3 - 3x^2 - 2x + 1$	$[-0.606, 0.785]$
4	$5x^3 - x^2 - 4x - 1$	$[-0.584, 1.096]$
5	$25x^6 - 23x^5 - 24x^4 + 15x^3 + 9x^2 - 2x - 1$	$[-0.575, 1.112]$
6	$25x^6 - 27x^5 - 20x^4 + 18x^3 + 7x^2 - 3x - 1$	$[-0.556, 1.120]$
7	$13x^5 - 15x^4 - 7x^3 + 8x^2 + x - 1$	$[-0.554, 1.150]$
8	$25x^6 - 29x^5 - 19x^4 + 19x^3 + 7x^2 - 3x - 1$	$[-0.535, 1.151]$
9	$14x^5 - 20x^4 - 3x^3 + 9x^2 - 1$	$[-0.472, 1.191]$
10	$8x^4 - 9x^3 - 4x^2 + 3x + 1$	$[-0.456, 1.212]$
11	$5x^3 - 6x^2 - x + 1$	$[-0.419, 1.230]$
12	$5x^3 - 7x^2 + 1$	$[-0.339, 1.277]$
13	$5x^3 - 8x^2 + x + 1$	$[-0.277, 1.339]$
14	$5x^3 - 9x^2 + 2x + 1$	$[-0.230, 1.419]$
15	$8x^4 - 23x^3 + 17x^2 - 1$	$[-0.212, 1.456]$
16	$14x^5 - 50x^4 + 57x^3 - 20x^2 - x + 1$	$[-0.191, 1.472]$
17	$25x^6 - 121x^5 + 211x^4 - 153x^3 + 35x^2 + 3x - 1$	$[-0.151, 1.535]$
18	$13x^5 - 50x^4 + 63x^3 - 27x^2 + x + 1$	$[-0.150, 1.554]$
19	$25x^6 - 123x^5 + 220x^4 - 168x^3 + 46x^2 - 1$	$[-0.120, 1.556]$
20	$25x^6 - 127x^5 + 236x^4 - 189x^3 + 55x^2 - 1$	$[-0.112, 1.575]$
21	$5x^3 - 14x^2 + 9x + 1$	$[-0.096, 1.584]$

TABLE 32. Polynomials used to prove $L_+\left(\frac{1}{15\sqrt{5}}\right) < 1.7258$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$8x^4 + 3x^3 - 6x^2 - x + 1$	$[-0.882, 0.630]$
2	$23x^6 + 14x^5 - 25x^4 - 11x^3 + 9x^2 + 2x - 1$	$[-0.877, 0.667]$
3	$2x^2 - 1$	$[-0.707, 0.707]$
4	$23x^6 - 14x^5 - 25x^4 + 11x^3 + 9x^2 - 2x - 1$	$[-0.667, 0.877]$
5	$8x^4 - 3x^3 - 6x^2 + x + 1$	$[-0.630, 0.882]$
6	$24x^6 - 19x^5 - 25x^4 + 13x^3 + 9x^2 - 2x - 1$	$[-0.612, 1.086]$
7	$24x^6 - 17x^5 - 28x^4 + 11x^3 + 11x^2 - x - 1$	$[-0.607, 1.100]$
8	$7x^4 - 4x^3 - 6x^2 + x + 1$	$[-0.595, 1.121]$
9	$13x^5 - 15x^4 - 7x^3 + 8x^2 + x - 1$	$[-0.554, 1.150]$
10	$7x^4 - 6x^3 - 5x^2 + 2x + 1$	$[-0.539, 1.170]$
11	$14x^5 - 20x^4 - 3x^3 + 9x^2 - 1$	$[-0.472, 1.191]$
12	$8x^4 - 9x^3 - 4x^2 + 3x + 1$	$[-0.456, 1.212]$
13	$23x^6 - 60x^5 + 32x^4 + 20x^3 - 13x^2 - 2x + 1$	$[-0.435, 1.297]$
14	$14x^5 - 33x^4 + 13x^3 + 11x^2 - 3x - 1$	$[-0.424, 1.311]$
15	$24x^6 - 65x^5 + 40x^4 + 16x^3 - 14x^2 - x + 1$	$[-0.422, 1.321]$
16	$24x^6 - 71x^5 + 55x^4 + 7x^3 - 16x^2 + x + 1$	$[-0.419, 1.347]$
17	$2x^2 - 2x - 1$	$[-0.366, 1.366]$
18	$24x^6 - 73x^5 + 60x^4 + 3x^3 - 15x^2 + x + 1$	$[-0.347, 1.419]$
19	$24x^6 - 79x^5 + 75x^4 - 6x^3 - 16x^2 + 2x + 1$	$[-0.321, 1.422]$
20	$14x^5 - 37x^4 + 21x^3 + 8x^2 - 4x - 1$	$[-0.311, 1.424]$
21	$23x^6 - 78x^5 + 77x^4 - 8x^3 - 16x^2 + 2x + 1$	$[-0.297, 1.435]$
22	$8x^4 - 23x^3 + 17x^2 - 1$	$[-0.212, 1.456]$
23	$14x^5 - 50x^4 + 57x^3 - 20x^2 - x + 1$	$[-0.191, 1.472]$
24	$7x^4 - 22x^3 + 19x^2 - 2x - 1$	$[-0.170, 1.539]$
25	$13x^5 - 50x^4 + 63x^3 - 27x^2 + x + 1$	$[-0.150, 1.554]$
26	$7x^4 - 24x^3 + 24x^2 - 5x - 1$	$[-0.121, 1.595]$
27	$24x^6 - 127x^5 + 247x^4 - 209x^3 + 66x^2 - x - 1$	$[-0.100, 1.607]$
28	$24x^6 - 125x^5 + 240x^4 - 203x^3 + 68x^2 - 4x - 1$	$[-0.086, 1.612]$

TABLE 33. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt[24]{6}} \right) < 1.7851$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$8x^4 + 3x^3 - 6x^2 - x + 1$	$[-0.882, 0.630]$
2	$23x^6 + 14x^5 - 25x^4 - 11x^3 + 9x^2 + 2x - 1$	$[-0.877, 0.667]$
3	$2x^2 - 1$	$[-0.707, 0.707]$
4	$23x^6 - 14x^5 - 25x^4 + 11x^3 + 9x^2 - 2x - 1$	$[-0.667, 0.877]$
5	$8x^4 - 3x^3 - 6x^2 + x + 1$	$[-0.630, 0.882]$
6	$14x^5 - 12x^4 - 11x^3 + 7x^2 + 2x - 1$	$[-0.626, 1.100]$
7	$7x^4 - 4x^3 - 6x^2 + x + 1$	$[-0.595, 1.121]$
8	$13x^5 - 15x^4 - 7x^3 + 8x^2 + x - 1$	$[-0.554, 1.150]$
9	$7x^4 - 6x^3 - 5x^2 + 2x + 1$	$[-0.539, 1.170]$
10	$14x^5 - 20x^4 - 3x^3 + 9x^2 - 1$	$[-0.472, 1.191]$
11	$8x^4 - 9x^3 - 4x^2 + 3x + 1$	$[-0.456, 1.212]$
12	$23x^6 - 60x^5 + 32x^4 + 20x^3 - 13x^2 - 2x + 1$	$[-0.435, 1.297]$
13	$14x^5 - 33x^4 + 13x^3 + 11x^2 - 3x - 1$	$[-0.424, 1.311]$
14	$2x^2 - 2x - 1$	$[-0.366, 1.366]$
15	$14x^5 - 37x^4 + 21x^3 + 8x^2 - 4x - 1$	$[-0.311, 1.424]$
16	$23x^6 - 78x^5 + 77x^4 - 8x^3 - 16x^2 + 2x + 1$	$[-0.297, 1.435]$
17	$8x^4 - 23x^3 + 17x^2 - 1$	$[-0.212, 1.456]$
18	$14x^5 - 50x^4 + 57x^3 - 20x^2 - x + 1$	$[-0.191, 1.472]$
19	$7x^4 - 22x^3 + 19x^2 - 2x - 1$	$[-0.170, 1.539]$
20	$13x^5 - 50x^4 + 63x^3 - 27x^2 + x + 1$	$[-0.150, 1.554]$
21	$7x^4 - 24x^3 + 24x^2 - 5x - 1$	$[-0.121, 1.595]$
22	$14x^5 - 58x^4 + 81x^3 - 42x^2 + 5x + 1$	$[-0.100, 1.626]$

TABLE 34. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt[14]{5}} \right) < 1.7901$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$8x^4 + 3x^3 - 6x^2 - x + 1$	$[-0.882, 0.630]$
2	$23x^6 + 14x^5 - 25x^4 - 11x^3 + 9x^2 + 2x - 1$	$[-0.877, 0.667]$
3	$2x^2 - 1$	$[-0.707, 0.707]$
4	$23x^6 - 14x^5 - 25x^4 + 11x^3 + 9x^2 - 2x - 1$	$[-0.667, 0.877]$
5	$8x^4 - 3x^3 - 6x^2 + x + 1$	$[-0.630, 0.882]$
6	$7x^4 - 4x^3 - 6x^2 + x + 1$	$[-0.595, 1.121]$
7	$13x^5 - 15x^4 - 7x^3 + 8x^2 + x - 1$	$[-0.554, 1.150]$
8	$7x^4 - 6x^3 - 5x^2 + 2x + 1$	$[-0.539, 1.170]$
9	$13x^5 - 17x^4 - 6x^3 + 9x^2 + x - 1$	$[-0.534, 1.208]$
10	$22x^6 - 36x^5 - 10x^4 + 25x^3 + 5x^2 - 4x - 1$	$[-0.526, 1.209]$
11	$8x^4 - 9x^3 - 4x^2 + 3x + 1$	$[-0.456, 1.212]$
12	$23x^6 - 60x^5 + 32x^4 + 20x^3 - 13x^2 - 2x + 1$	$[-0.435, 1.297]$
13	$2x^2 - 2x - 1$	$[-0.366, 1.366]$
14	$23x^6 - 78x^5 + 77x^4 - 8x^3 - 16x^2 + 2x + 1$	$[-0.297, 1.435]$
15	$8x^4 - 23x^3 + 17x^2 - 1$	$[-0.212, 1.456]$
16	$22x^6 - 96x^5 + 140x^4 - 65x^3 - 10x^2 + 7x + 1$	$[-0.209, 1.526]$
17	$13x^5 - 48x^4 + 56x^3 - 19x^2 - 2x + 1$	$[-0.208, 1.534]$
18	$7x^4 - 22x^3 + 19x^2 - 2x - 1$	$[-0.170, 1.539]$
19	$13x^5 - 50x^4 + 63x^3 - 27x^2 + x + 1$	$[-0.150, 1.554]$
20	$7x^4 - 24x^3 + 24x^2 - 5x - 1$	$[-0.121, 1.595]$

TABLE 35. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt[23]{6}} \right) < 1.8010$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$8x^4 + 3x^3 - 6x^2 - x + 1$	$[-0.882, 0.630]$
2	$2x^2 - 1$	$[-0.707, 0.707]$
3	$8x^4 - 3x^3 - 6x^2 + x + 1$	$[-0.630, 0.882]$
4	$7x^4 - 4x^3 - 6x^2 + x + 1$	$[-0.595, 1.121]$
5	$13x^5 - 15x^4 - 7x^3 + 8x^2 + x - 1$	$[-0.554, 1.150]$
6	$7x^4 - 6x^3 - 5x^2 + 2x + 1$	$[-0.539, 1.170]$
7	$13x^5 - 17x^4 - 6x^3 + 9x^2 + x - 1$	$[-0.534, 1.208]$
8	$22x^6 - 36x^5 - 10x^4 + 25x^3 + 5x^2 - 4x - 1$	$[-0.526, 1.209]$
9	$8x^4 - 9x^3 - 4x^2 + 3x + 1$	$[-0.456, 1.212]$
10	$22x^6 - 59x^5 + 35x^4 + 16x^3 - 13x^2 - x + 1$	$[-0.439, 1.313]$
11	$8x^4 - 15x^3 + 4x^2 + 3x - 1$	$[-0.437, 1.349]$
12	$2x^2 - 2x - 1$	$[-0.366, 1.366]$
13	$8x^4 - 17x^3 + 7x^2 + 2x - 1$	$[-0.349, 1.437]$
14	$22x^6 - 73x^5 + 70x^4 - 6x^3 - 15x^2 + 2x + 1$	$[-0.313, 1.439]$
15	$8x^4 - 23x^3 + 17x^2 - 1$	$[-0.212, 1.456]$
16	$22x^6 - 96x^5 + 140x^4 - 65x^3 - 10x^2 + 7x + 1$	$[-0.209, 1.526]$
17	$13x^5 - 48x^4 + 56x^3 - 19x^2 - 2x + 1$	$[-0.208, 1.534]$
18	$7x^4 - 22x^3 + 19x^2 - 2x - 1$	$[-0.170, 1.539]$
19	$13x^5 - 50x^4 + 63x^3 - 27x^2 + x + 1$	$[-0.150, 1.554]$
20	$7x^4 - 24x^3 + 24x^2 - 5x - 1$	$[-0.121, 1.595]$

TABLE 36. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt[8]{4}} \right) < 1.8033$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$7x^4 + x^3 - 6x^2 + 1$	$[-0.899, 0.658]$
2	$2x^2 - 1$	$[-0.707, 0.707]$
3	$7x^4 - x^3 - 6x^2 + 1$	$[-0.658, 0.899]$
4	$21x^6 - 17x^5 - 22x^4 + 12x^3 + 8x^2 - 2x - 1$	$[-0.645, 1.097]$
5	$7x^4 - 4x^3 - 6x^2 + x + 1$	$[-0.595, 1.121]$
6	$13x^5 - 15x^4 - 7x^3 + 8x^2 + x - 1$	$[-0.554, 1.150]$
7	$7x^4 - 6x^3 - 5x^2 + 2x + 1$	$[-0.539, 1.170]$
8	$13x^5 - 17x^4 - 6x^3 + 9x^2 + x - 1$	$[-0.534, 1.208]$
9	$22x^6 - 36x^5 - 10x^4 + 25x^3 + 5x^2 - 4x - 1$	$[-0.526, 1.209]$
10	$13x^5 - 19x^4 - 3x^3 + 9x^2 - 1$	$[-0.512, 1.221]$
11	$22x^6 - 50x^5 + 15x^4 + 25x^3 - 9x^2 - 3x + 1$	$[-0.510, 1.263]$
12	$13x^5 - 22x^4 + x^3 + 9x^2 - x - 1$	$[-0.465, 1.269]$
13	$4x^3 - 5x^2 - x + 1$	$[-0.462, 1.294]$
14	$22x^6 - 59x^5 + 35x^4 + 16x^3 - 13x^2 - x + 1$	$[-0.439, 1.313]$
15	$2x^2 - 2x - 1$	$[-0.366, 1.366]$
16	$22x^6 - 73x^5 + 70x^4 - 6x^3 - 15x^2 + 2x + 1$	$[-0.313, 1.439]$
17	$4x^3 - 7x^2 + x + 1$	$[-0.294, 1.462]$
18	$13x^5 - 43x^4 + 43x^3 - 10x^2 - 3x + 1$	$[-0.269, 1.465]$
19	$22x^6 - 82x^5 + 95x^4 - 25x^3 - 14x^2 + 4x + 1$	$[-0.263, 1.510]$
20	$13x^5 - 46x^4 + 51x^3 - 16x^2 - 2x + 1$	$[-0.221, 1.512]$
21	$22x^6 - 96x^5 + 140x^4 - 65x^3 - 10x^2 + 7x + 1$	$[-0.209, 1.526]$
22	$13x^5 - 48x^4 + 56x^3 - 19x^2 - 2x + 1$	$[-0.208, 1.534]$
23	$7x^4 - 22x^3 + 19x^2 - 2x - 1$	$[-0.170, 1.539]$
24	$13x^5 - 50x^4 + 63x^3 - 27x^2 + x + 1$	$[-0.150, 1.554]$
25	$7x^4 - 24x^3 + 24x^2 - 5x - 1$	$[-0.121, 1.595]$
26	$21x^6 - 109x^5 + 208x^4 - 174x^3 + 57x^2 - 3x - 1$	$[-0.097, 1.645]$

TABLE 37. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt[22]{6}} \right) < 1.8051$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$7x^4 + x^3 - 6x^2 + 1$	$[-0.899, 0.658]$
2	$2x^2 - 1$	$[-0.707, 0.707]$
3	$7x^4 - x^3 - 6x^2 + 1$	$[-0.658, 0.899]$
4	$7x^4 - 4x^3 - 6x^2 + x + 1$	$[-0.595, 1.121]$
5	$7x^4 - 6x^3 - 5x^2 + 2x + 1$	$[-0.539, 1.170]$
6	$11x^5 - 16x^4 - 3x^3 + 8x^2 - 1$	$[-0.519, 1.240]$
7	$19x^6 - 33x^5 - 7x^4 + 23x^3 + 4x^2 - 4x - 1$	$[-0.481, 1.274]$
8	$4x^3 - 5x^2 - x + 1$	$[-0.462, 1.294]$
9	$19x^6 - 49x^5 + 24x^4 + 19x^3 - 11x^2 - 2x + 1$	$[-0.457, 1.348]$
10	$2x^2 - 2x - 1$	$[-0.366, 1.366]$
11	$19x^6 - 65x^5 + 64x^4 - 5x^3 - 15x^2 + 2x + 1$	$[-0.348, 1.457]$
12	$4x^3 - 7x^2 + x + 1$	$[-0.294, 1.462]$
13	$19x^6 - 81x^5 + 113x^4 - 45x^3 - 14x^2 + 6x + 1$	$[-0.274, 1.481]$
14	$11x^5 - 39x^4 + 43x^3 - 13x^2 - 2x + 1$	$[-0.240, 1.519]$
15	$7x^4 - 22x^3 + 19x^2 - 2x - 1$	$[-0.170, 1.539]$
16	$7x^4 - 24x^3 + 24x^2 - 5x - 1$	$[-0.121, 1.595]$

TABLE 38. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt[19]{6}} \right) < 1.8231$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$7x^4 + x^3 - 6x^2 + 1$	$[-0.899, 0.658]$
2	$2x^2 - 1$	$[-0.707, 0.707]$
3	$7x^4 - x^3 - 6x^2 + 1$	$[-0.658, 0.899]$
4	$7x^4 - 4x^3 - 6x^2 + x + 1$	$[-0.595, 1.121]$
5	$7x^4 - 6x^3 - 5x^2 + 2x + 1$	$[-0.539, 1.170]$
6	$11x^5 - 16x^4 - 3x^3 + 8x^2 - 1$	$[-0.519, 1.240]$
7	$4x^3 - 5x^2 - x + 1$	$[-0.462, 1.294]$
8	$2x^2 - 2x - 1$	$[-0.366, 1.366]$
9	$4x^3 - 7x^2 + x + 1$	$[-0.294, 1.462]$
10	$11x^5 - 39x^4 + 43x^3 - 13x^2 - 2x + 1$	$[-0.240, 1.519]$
11	$7x^4 - 22x^3 + 19x^2 - 2x - 1$	$[-0.170, 1.539]$
12	$7x^4 - 24x^3 + 24x^2 - 5x - 1$	$[-0.121, 1.595]$

TABLE 39. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt[4]{4}} \right) < 1.8281$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$2x^2 - 1$	$[-0.707, 0.707]$
2	$11x^5 - 9x^4 - 10x^3 + 6x^2 + 2x - 1$	$[-0.690, 1.124]$
3	$17x^6 - 14x^5 - 20x^4 + 11x^3 + 8x^2 - 2x - 1$	$[-0.655, 1.140]$
4	$18x^6 - 16x^5 - 20x^4 + 12x^3 + 8x^2 - 2x - 1$	$[-0.632, 1.150]$
5	$11x^5 - 8x^4 - 13x^3 + 3x^2 + 5x + 1$	$[-0.597, 1.222]$
6	$11x^5 - 14x^4 - 6x^3 + 8x^2 + x - 1$	$[-0.570, 1.224]$
7	$11x^5 - 16x^4 - 3x^3 + 8x^2 - 1$	$[-0.519, 1.240]$
8	$4x^3 - 5x^2 - x + 1$	$[-0.462, 1.294]$
9	$2x^2 - 2x - 1$	$[-0.366, 1.366]$
10	$4x^3 - 7x^2 + x + 1$	$[-0.294, 1.462]$
11	$11x^5 - 39x^4 + 43x^3 - 13x^2 - 2x + 1$	$[-0.240, 1.519]$
12	$11x^5 - 41x^4 + 48x^3 - 16x^2 - 2x + 1$	$[-0.224, 1.570]$
13	$11x^5 - 47x^4 + 65x^3 - 26x^2 - 5x + 1$	$[-0.222, 1.597]$
14	$18x^6 - 92x^5 + 170x^4 - 132x^3 + 34x^2 + 2x - 1$	$[-0.150, 1.632]$
15	$17x^6 - 88x^5 + 165x^4 - 131x^3 + 36x^2 + x - 1$	$[-0.140, 1.655]$
16	$11x^5 - 46x^4 + 64x^3 - 32x^2 + 3x + 1$	$[-0.124, 1.690]$

TABLE 40. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt[18]{6}} \right) < 1.8541$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$2x^2 - 1$	$[-0.707, 0.707]$
2	$11x^5 - 9x^4 - 10x^3 + 6x^2 + 2x - 1$	$[-0.690, 1.124]$
3	$17x^6 - 14x^5 - 20x^4 + 11x^3 + 8x^2 - 2x - 1$	$[-0.655, 1.140]$
4	$6x^4 - 5x^3 - 5x^2 + 2x + 1$	$[-0.643, 1.200]$
5	$11x^5 - 8x^4 - 13x^3 + 3x^2 + 5x + 1$	$[-0.597, 1.222]$
6	$11x^5 - 14x^4 - 6x^3 + 8x^2 + x - 1$	$[-0.570, 1.224]$
7	$11x^5 - 16x^4 - 3x^3 + 8x^2 - 1$	$[-0.519, 1.240]$
8	$4x^3 - 5x^2 - x + 1$	$[-0.462, 1.294]$
9	$2x^2 - 2x - 1$	$[-0.366, 1.366]$
10	$4x^3 - 7x^2 + x + 1$	$[-0.294, 1.462]$
11	$11x^5 - 39x^4 + 43x^3 - 13x^2 - 2x + 1$	$[-0.240, 1.519]$
12	$11x^5 - 41x^4 + 48x^3 - 16x^2 - 2x + 1$	$[-0.224, 1.570]$
13	$11x^5 - 47x^4 + 65x^3 - 26x^2 - 5x + 1$	$[-0.222, 1.597]$
14	$6x^4 - 19x^3 + 16x^2 - x - 1$	$[-0.200, 1.643]$
15	$17x^6 - 88x^5 + 165x^4 - 131x^3 + 36x^2 + x - 1$	$[-0.140, 1.655]$
16	$11x^5 - 46x^4 + 64x^3 - 32x^2 + 3x + 1$	$[-0.124, 1.690]$

TABLE 41. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt[11]{5}} \right) < 1.8645$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$2x^2 - 1$	$[-0.707, 0.707]$
2	$17x^6 - 14x^5 - 20x^4 + 11x^3 + 8x^2 - 2x - 1$	$[-0.655, 1.140]$
3	$6x^4 - 5x^3 - 5x^2 + 2x + 1$	$[-0.643, 1.200]$
4	$17x^6 - 26x^5 - 13x^4 + 22x^3 + 6x^2 - 4x - 1$	$[-0.631, 1.226]$
5	$16x^6 - 19x^5 - 15x^4 + 15x^3 + 6x^2 - 3x - 1$	$[-0.600, 1.235]$
6	$17x^6 - 29x^5 - 8x^4 + 22x^3 + 4x^2 - 4x - 1$	$[-0.574, 1.238]$
7	$5x^4 - 5x^3 - 4x^2 + 2x + 1$	$[-0.563, 1.286]$
8	$4x^3 - 5x^2 - x + 1$	$[-0.462, 1.294]$
9	$2x^2 - 2x - 1$	$[-0.366, 1.366]$
10	$4x^3 - 7x^2 + x + 1$	$[-0.294, 1.462]$
11	$5x^4 - 15x^3 + 11x^2 + x - 1$	$[-0.286, 1.563]$
12	$17x^6 - 73x^5 + 102x^4 - 40x^3 - 13x^2 + 5x + 1$	$[-0.238, 1.574]$
13	$16x^6 - 77x^5 + 130x^4 - 85x^3 + 11x^2 + 5x - 1$	$[-0.235, 1.600]$
14	$17x^6 - 76x^5 + 112x^4 - 50x^3 - 11x^2 + 6x + 1$	$[-0.226, 1.631]$
15	$6x^4 - 19x^3 + 16x^2 - x - 1$	$[-0.200, 1.643]$
16	$17x^6 - 88x^5 + 165x^4 - 131x^3 + 36x^2 + x - 1$	$[-0.140, 1.655]$

TABLE 42. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt[17]{6}} \right) < 1.8691$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$2x^2 - 1$	$[-0.707, 0.707]$
2	$16x^6 - 11x^5 - 21x^4 + 8x^3 + 9x^2 - x - 1$	$[-0.665, 1.146]$
3	$6x^4 - 5x^3 - 5x^2 + 2x + 1$	$[-0.643, 1.200]$
4	$16x^6 - 19x^5 - 15x^4 + 15x^3 + 6x^2 - 3x - 1$	$[-0.600, 1.235]$
5	$4x^3 - 4x^2 - 2x + 1$	$[-0.585, 1.241]$
6	$5x^4 - 5x^3 - 4x^2 + 2x + 1$	$[-0.563, 1.286]$
7	$4x^3 - 5x^2 - x + 1$	$[-0.462, 1.294]$
8	$2x^2 - 2x - 1$	$[-0.366, 1.366]$
9	$4x^3 - 7x^2 + x + 1$	$[-0.294, 1.462]$
10	$5x^4 - 15x^3 + 11x^2 + x - 1$	$[-0.286, 1.563]$
11	$4x^3 - 8x^2 + 2x + 1$	$[-0.241, 1.585]$
12	$16x^6 - 77x^5 + 130x^4 - 85x^3 + 11x^2 + 5x - 1$	$[-0.235, 1.600]$
13	$6x^4 - 19x^3 + 16x^2 - x - 1$	$[-0.200, 1.643]$
14	$16x^6 - 85x^5 + 164x^4 - 134x^3 + 37x^2 + 2x - 1$	$[-0.146, 1.665]$

TABLE 43. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt[17]{6}} \right) < 1.8781$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$2x^2 - 1$	$[-0.707, 0.707]$
2	$5x^4 - 3x^3 - 5x^2 + x + 1$	$[-0.672, 1.182]$
3	$6x^4 - 5x^3 - 5x^2 + 2x + 1$	$[-0.643, 1.200]$
4	$9x^5 - 11x^4 - 6x^3 + 7x^2 + x - 1$	$[-0.637, 1.244]$
5	$14x^6 - 24x^5 - 8x^4 + 20x^3 + 4x^2 - 4x - 1$	$[-0.599, 1.277]$
6	$5x^4 - 5x^3 - 4x^2 + 2x + 1$	$[-0.563, 1.286]$
7	$15x^6 - 36x^5 + 11x^4 + 21x^3 - 8x^2 - 3x + 1$	$[-0.558, 1.360]$
8	$2x^2 - 2x - 1$	$[-0.366, 1.366]$
9	$15x^6 - 54x^5 + 56x^4 - 5x^3 - 14x^2 + 2x + 1$	$[-0.360, 1.558]$
10	$5x^4 - 15x^3 + 11x^2 + x - 1$	$[-0.286, 1.563]$
11	$14x^6 - 60x^5 + 82x^4 - 28x^3 - 14x^2 + 4x + 1$	$[-0.277, 1.599]$
12	$9x^5 - 34x^4 + 40x^3 - 13x^2 - 2x + 1$	$[-0.244, 1.637]$
13	$6x^4 - 19x^3 + 16x^2 - x - 1$	$[-0.200, 1.643]$
14	$5x^4 - 17x^3 + 16x^2 - 2x - 1$	$[-0.182, 1.672]$

TABLE 44. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt[15]{6}} \right) < 1.9237$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$2x^2 - 1$	$[-0.707, 0.707]$
2	$5x^4 - 3x^3 - 5x^2 + x + 1$	$[-0.672, 1.182]$
3	$9x^5 - 11x^4 - 6x^3 + 7x^2 + x - 1$	$[-0.637, 1.244]$
4	$5x^4 - 5x^3 - 4x^2 + 2x + 1$	$[-0.563, 1.286]$
5	$2x^2 - 2x - 1$	$[-0.366, 1.366]$
6	$5x^4 - 15x^3 + 11x^2 + x - 1$	$[-0.286, 1.563]$
7	$9x^5 - 34x^4 + 40x^3 - 13x^2 - 2x + 1$	$[-0.244, 1.637]$
8	$5x^4 - 17x^3 + 16x^2 - 2x - 1$	$[-0.182, 1.672]$

TABLE 45. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt[9]{5}} \right) < 1.9286$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$2x^2 - 1$	$[-0.707, 0.707]$
2	$5x^4 - 3x^3 - 5x^2 + x + 1$	$[-0.672, 1.182]$
3	$5x^4 - 5x^3 - 4x^2 + 2x + 1$	$[-0.563, 1.286]$
4	$2x^2 - 2x - 1$	$[-0.366, 1.366]$
5	$5x^4 - 15x^3 + 11x^2 + x - 1$	$[-0.286, 1.563]$
6	$5x^4 - 17x^3 + 16x^2 - 2x - 1$	$[-0.182, 1.672]$

TABLE 46. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt[5]{4}} \right) < 1.9582$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$2x^2 - 1$	$[-0.707, 0.707]$
2	$3x^3 - 3x^2 - 2x + 1$	$[-0.685, 1.314]$
3	$11x^6 - 19x^5 - 8x^4 + 18x^3 + 4x^2 - 4x - 1$	$[-0.667, 1.351]$
4	$2x^2 - 2x - 1$	$[-0.366, 1.366]$
5	$11x^6 - 47x^5 + 62x^4 - 16x^3 - 15x^2 + 3x + 1$	$[-0.351, 1.667]$
6	$3x^3 - 6x^2 + x + 1$	$[-0.314, 1.685]$

TABLE 47. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt[11]{6}} \right) < 2.0353$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$2x^2 - 1$	$[-0.707, 0.707]$
2	$3x^3 - 3x^2 - 2x + 1$	$[-0.685, 1.314]$
3	$2x^2 - 2x - 1$	$[-0.366, 1.366]$
4	$3x^3 - 6x^2 + x + 1$	$[-0.314, 1.685]$

TABLE 48. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt[11]{6}} \right) < 2.0507$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$2x^2 - 1$	$[-0.707, 0.707]$
2	$2x^2 - 2x - 1$	$[-0.366, 1.366]$

TABLE 49. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt{2}} \right) < 2.0731$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$5x^5 - 4x^4 - 7x^3 + 4x^2 + 2x - 1$	$[-0.894, 1.290]$
2	$5x^5 - 4x^4 - 9x^3 + 3x^2 + 5x + 1$	$[-0.884, 1.316]$
3	$3x^4 - 2x^3 - 4x^2 + x + 1$	$[-0.835, 1.338]$
4	$7x^6 - 4x^5 - 14x^4 + 3x^3 + 8x^2 - 1$	$[-0.811, 1.390]$
5	$7x^6 - 15x^5 - 3x^4 + 18x^3 - 2x^2 - 5x + 1$	$[-0.795, 1.423]$
6	$5x^5 - 11x^4 + 9x^2 - x - 1$	$[-0.762, 1.492]$
7	$7x^6 - 20x^5 + 8x^4 + 15x^3 - 8x^2 - 2x + 1$	$[-0.740, 1.701]$
8	$7x^6 - 21x^5 + 10x^4 + 15x^3 - 9x^2 - 2x + 1$	$[-0.726, 1.726]$
9	$7x^6 - 22x^5 + 13x^4 + 13x^3 - 10x^2 - x + 1$	$[-0.701, 1.740]$
10	$5x^5 - 14x^4 + 6x^3 + 7x^2 - 2x - 1$	$[-0.492, 1.762]$
11	$7x^6 - 27x^5 + 27x^4 + 4x^3 - 11x^2 + 1$	$[-0.423, 1.795]$
12	$7x^6 - 38x^5 + 71x^4 - 47x^3 - 2x^2 + 9x - 1$	$[-0.390, 1.811]$
13	$3x^4 - 10x^3 + 8x^2 + x - 1$	$[-0.338, 1.835]$
14	$5x^5 - 21x^4 + 25x^3 - 2x^2 - 7x - 1$	$[-0.316, 1.884]$
15	$5x^5 - 21x^4 + 27x^3 - 9x^2 - 2x + 1$	$[-0.290, 1.894]$
16	$7x^6 - 36x^5 + 60x^4 - 29x^3 - 9x^2 + 5x + 1$	$[-0.289, 2.089]$
17	$7x^6 - 39x^5 + 76x^4 - 58x^3 + 10x^2 + 4x - 1$	$[-0.257, 2.101]$
18	$5x^5 - 23x^4 + 33x^3 - 14x^2 - x + 1$	$[-0.232, 2.127]$
19	$7x^6 - 41x^5 + 85x^4 - 71x^3 + 16x^2 + 4x - 1$	$[-0.227, 2.148]$
20	$7x^6 - 42x^5 + 91x^4 - 84x^3 + 28x^2 - 1$	$[-0.152, 2.152]$
21	$7x^6 - 43x^5 + 95x^4 - 89x^3 + 30x^2 - 1$	$[-0.148, 2.227]$
22	$5x^5 - 27x^4 + 49x^3 - 32x^2 + 3x + 1$	$[-0.127, 2.232]$
23	$7x^6 - 45x^5 + 106x^4 - 110x^3 + 46x^2 - 4x - 1$	$[-0.101, 2.257]$
24	$7x^6 - 48x^5 + 120x^4 - 131x^3 + 57x^2 - 5x - 1$	$[-0.089, 2.289]$

TABLE 50. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt{6}} \right) < 2.4652$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$5x^5 - 4x^4 - 7x^3 + 4x^2 + 2x - 1$	$[-0.894, 1.290]$
2	$5x^5 - 4x^4 - 9x^3 + 3x^2 + 5x + 1$	$[-0.884, 1.316]$
3	$3x^4 - 2x^3 - 4x^2 + x + 1$	$[-0.835, 1.338]$
4	$5x^5 - 8x^4 - 5x^3 + 8x^2 + 2x - 1$	$[-0.823, 1.421]$
5	$5x^5 - 11x^4 + 9x^2 - x - 1$	$[-0.762, 1.492]$
6	$5x^5 - 14x^4 + 5x^3 + 10x^2 - 4x - 1$	$[-0.745, 1.733]$
7	$5x^5 - 11x^4 - x^3 + 9x^2 - 1$	$[-0.733, 1.745]$
8	$5x^5 - 14x^4 + 6x^3 + 7x^2 - 2x - 1$	$[-0.492, 1.762]$
9	$5x^5 - 17x^4 + 13x^3 + 5x^2 - 4x - 1$	$[-0.421, 1.823]$
10	$3x^4 - 10x^3 + 8x^2 + x - 1$	$[-0.338, 1.835]$
11	$5x^5 - 21x^4 + 25x^3 - 2x^2 - 7x - 1$	$[-0.316, 1.884]$
12	$5x^5 - 21x^4 + 27x^3 - 9x^2 - 2x + 1$	$[-0.290, 1.894]$
13	$5x^5 - 23x^4 + 33x^3 - 14x^2 - x + 1$	$[-0.232, 2.127]$
14	$5x^5 - 24x^4 + 36x^3 - 16x^2 - x + 1$	$[-0.220, 2.189]$
15	$3x^4 - 12x^3 + 13x^2 - 2x - 1$	$[-0.198, 2.198]$
16	$5x^5 - 26x^4 + 44x^3 - 24x^2 - x + 1$	$[-0.189, 2.220]$
17	$5x^5 - 27x^4 + 49x^3 - 32x^2 + 3x + 1$	$[-0.127, 2.232]$

TABLE 51. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt[5]{5}} \right) < 2.4942$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$3x^4 - 2x^3 - 4x^2 + x + 1$	$[-0.835, 1.338]$
2	$6x^6 - 17x^5 + 6x^4 + 14x^3 - 7x^2 - 2x + 1$	$[-0.772, 1.718]$
3	$6x^6 - 18x^5 + 8x^4 + 14x^3 - 8x^2 - 2x + 1$	$[-0.752, 1.752]$
4	$6x^6 - 19x^5 + 11x^4 + 12x^3 - 9x^2 - x + 1$	$[-0.718, 1.772]$
5	$3x^4 - 10x^3 + 8x^2 + x - 1$	$[-0.338, 1.835]$
6	$6x^6 - 31x^5 + 52x^4 - 25x^3 - 9x^2 + 5x + 1$	$[-0.328, 2.094]$
7	$3x^4 - 11x^3 + 10x^2 - 1$	$[-0.275, 2.149]$
8	$6x^6 - 34x^5 + 65x^4 - 42x^3 - 4x^2 + 7x + 1$	$[-0.263, 2.171]$
9	$3x^4 - 12x^3 + 13x^2 - 2x - 1$	$[-0.198, 2.198]$
10	$6x^6 - 38x^5 + 85x^4 - 78x^3 + 24x^2 + x - 1$	$[-0.171, 2.263]$
11	$3x^4 - 13x^3 + 16x^2 - 4x - 1$	$[-0.149, 2.275]$
12	$6x^6 - 41x^5 + 102x^4 - 111x^3 + 49x^2 - 5x - 1$	$[-0.094, 2.328]$

TABLE 52. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt[6]{6}} \right) < 2.5529$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$3x^4 - 2x^3 - 4x^2 + x + 1$	$[-0.835, 1.338]$
2	$4x^5 - 10x^4 + x^3 + 9x^2 - 2x - 1$	$[-0.828, 1.723]$
3	$5x^6 - 12x^5 - 2x^4 + 16x^3 - 2x^2 - 5x + 1$	$[-0.821, 1.760]$
4	$4x^5 - 11x^4 + 3x^3 + 9x^2 - 3x - 1$	$[-0.790, 1.765]$
5	$4x^5 - 9x^4 - x^3 + 8x^2 - 1$	$[-0.765, 1.790]$
6	$5x^6 - 18x^5 + 13x^4 + 12x^3 - 11x^2 - x + 1$	$[-0.760, 1.821]$
7	$4x^5 - 10x^4 + x^3 + 8x^2 - x - 1$	$[-0.723, 1.828]$
8	$3x^4 - 10x^3 + 8x^2 + x - 1$	$[-0.338, 1.835]$
9	$5x^6 - 25x^5 + 39x^4 - 14x^3 - 10x^2 + 3x + 1$	$[-0.334, 2.111]$
10	$3x^4 - 11x^3 + 10x^2 - 1$	$[-0.275, 2.149]$
11	$3x^4 - 12x^3 + 13x^2 - 2x - 1$	$[-0.198, 2.198]$
12	$3x^4 - 13x^3 + 16x^2 - 4x - 1$	$[-0.149, 2.275]$
13	$5x^6 - 35x^5 + 89x^4 - 98x^3 + 42x^2 - 3x - 1$	$[-0.111, 2.334]$

TABLE 53. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt[4]{5}} \right) < 2.5880$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$3x^4 - 2x^3 - 4x^2 + x + 1$	$[-0.835, 1.338]$
2	$5x^6 - 12x^5 - 2x^4 + 16x^3 - 2x^2 - 5x + 1$	$[-0.821, 1.760]$
3	$3x^4 - 8x^3 + 2x^2 + 6x - 2$	$[-0.810, 1.777]$
4	$5x^6 - 15x^5 + 6x^4 + 13x^3 - 7x^2 - 2x + 1$	$[-0.792, 1.792]$
5	$3x^4 - 4x^3 - 4x^2 + 2x + 1$	$[-0.777, 1.810]$
6	$5x^6 - 18x^5 + 13x^4 + 12x^3 - 11x^2 - x + 1$	$[-0.760, 1.821]$
7	$3x^4 - 10x^3 + 8x^2 + x - 1$	$[-0.338, 1.835]$
8	$5x^6 - 25x^5 + 39x^4 - 14x^3 - 10x^2 + 3x + 1$	$[-0.334, 2.111]$
9	$3x^4 - 11x^3 + 10x^2 - 1$	$[-0.275, 2.149]$
10	$3x^4 - 12x^3 + 13x^2 - 2x - 1$	$[-0.198, 2.198]$
11	$3x^4 - 13x^3 + 16x^2 - 4x - 1$	$[-0.149, 2.275]$
12	$5x^6 - 35x^5 + 89x^4 - 98x^3 + 42x^2 - 3x - 1$	$[-0.111, 2.334]$

TABLE 54. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt[3]{4}} \right) < 2.6020$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$2x^3 - 2x^2 - 2x + 1$	$[-0.855, 1.452]$
2	$5x^6 - 7x^5 - 10x^4 + 9x^3 + 7x^2 - 2x - 1$	$[-0.849, 1.748]$
3	$5x^6 - 12x^5 - 2x^4 + 16x^3 - 2x^2 - 5x + 1$	$[-0.821, 1.760]$
4	$5x^6 - 15x^5 + 6x^4 + 13x^3 - 7x^2 - 2x + 1$	$[-0.792, 1.792]$
5	$5x^6 - 18x^5 + 13x^4 + 12x^3 - 11x^2 - x + 1$	$[-0.760, 1.821]$
6	$5x^6 - 23x^5 + 30x^4 + x^3 - 21x^2 + 6x + 1$	$[-0.748, 1.849]$
7	$2x^3 - 4x^2 + 1$	$[-0.452, 1.855]$
8	$5x^6 - 25x^5 + 39x^4 - 14x^3 - 10x^2 + 3x + 1$	$[-0.334, 2.111]$
9	$5x^6 - 30x^5 + 61x^4 - 45x^3 + 4x^2 + 5x - 1$	$[-0.319, 2.231]$
10	$5x^6 - 30x^5 + 63x^4 - 52x^3 + 10x^2 + 4x - 1$	$[-0.267, 2.267]$
11	$5x^6 - 30x^5 + 61x^4 - 43x^3 - 2x^2 + 7x + 1$	$[-0.231, 2.319]$
12	$5x^6 - 35x^5 + 89x^4 - 98x^3 + 42x^2 - 3x - 1$	$[-0.111, 2.334]$

TABLE 55. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt[3]{6}} \right) < 2.6124$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$2x^3 - 2x^2 - 2x + 1$	$[-0.855, 1.452]$
2	$2x^3 - 4x^2 + 1$	$[-0.452, 1.855]$
3	$4x^6 - 19x^5 + 26x^4 - 3x^3 - 11x^2 + x + 1$	$[-0.439, 2.134]$
4	$2x^3 - 5x^2 + x + 1$	$[-0.341, 2.162]$
5	$2x^4 - 8x^3 + 8x^2 - 1$	$[-0.307, 2.307]$
6	$2x^3 - 7x^2 + 5x + 1$	$[-0.162, 2.341]$
7	$4x^6 - 29x^5 + 76x^4 - 85x^3 + 35x^2 - x - 1$	$[-0.134, 2.439]$

TABLE 56. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt[3]{6}} \right) < 2.7093$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$3x^5 - 7x^4 - x^3 + 8x^2 - x - 1$	$[-0.950, 1.753]$
2	$3x^5 - 8x^4 + x^3 + 8x^2 - 2x - 1$	$[-0.874, 1.818]$
3	$3x^5 - 7x^4 - x^3 + 7x^2 - 1$	$[-0.818, 1.874]$
4	$3x^5 - 8x^4 + x^3 + 7x^2 - x - 1$	$[-0.753, 1.950]$
5	$3x^5 - 9x^4 + 3x^3 + 7x^2 - 2x - 1$	$[-0.715, 2.059]$
6	$3x^5 - 11x^4 + 9x^3 + 4x^2 - 5x + 1$	$[-0.710, 2.094]$
7	$3x^5 - 12x^4 + 11x^3 + 4x^2 - 4x - 1$	$[-0.463, 2.185]$
8	$3x^5 - 14x^4 + 18x^3 - x^2 - 6x - 1$	$[-0.345, 2.282]$
9	$2x^4 - 8x^3 + 8x^2 - 1$	$[-0.307, 2.307]$
10	$3x^5 - 16x^4 + 26x^3 - 11x^2 - 2x + 1$	$[-0.282, 2.345]$
11	$3x^5 - 18x^4 + 35x^3 - 22x^2 + 1$	$[-0.185, 2.463]$
12	$3x^5 - 19x^4 + 41x^3 - 34x^2 + 7x + 1$	$[-0.094, 2.710]$
13	$3x^5 - 21x^4 + 51x^3 - 49x^2 + 14x + 1$	$[-0.059, 2.715]$

TABLE 57. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt[3]{5}} \right) < 2.8957$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$2x^4 - 5x^3 + 5x - 1$	$[-0.939, 1.846]$
2	$2x^4 - 4x^3 - 2x^2 + 4x + 1$	$[-0.899, 1.899]$
3	$2x^4 - 3x^3 - 3x^2 + 2x + 1$	$[-0.846, 1.939]$
4	$3x^6 - 11x^5 + 6x^4 + 12x^3 - 7x^2 - 3x + 1$	$[-0.832, 2.119]$
5	$3x^6 - 12x^5 + 10x^4 + 8x^3 - 8x^2 - x + 1$	$[-0.719, 2.145]$
6	$2x^4 - 7x^3 + 5x^2 + 2x - 1$	$[-0.471, 2.211]$
7	$2x^4 - 8x^3 + 8x^2 - 1$	$[-0.307, 2.307]$
8	$2x^4 - 9x^3 + 11x^2 - 2x - 1$	$[-0.211, 2.471]$
9	$3x^6 - 24x^5 + 70x^4 - 88x^3 + 40x^2 + x - 1$	$[-0.145, 2.719]$
10	$3x^6 - 25x^5 + 76x^4 - 100x^3 + 49x^2 - x - 1$	$[-0.119, 2.832]$

TABLE 58. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt[3]{6}} \right) < 2.9776$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$2x^4 - 5x^3 + 5x - 1$	$[-0.939, 1.846]$
2	$2x^4 - 4x^3 - 2x^2 + 4x + 1$	$[-0.899, 1.899]$
3	$2x^4 - 3x^3 - 3x^2 + 2x + 1$	$[-0.846, 1.939]$
4	$2x^4 - 5x^3 - x^2 + 5x + 1$	$[-0.834, 2.134]$
5	$2x^4 - 6x^3 + 2x^2 + 4x - 1$	$[-0.726, 2.156]$
6	$2x^4 - 7x^3 + 5x^2 + 2x - 1$	$[-0.471, 2.211]$
7	$2x^4 - 8x^3 + 8x^2 - 1$	$[-0.307, 2.307]$
8	$2x^4 - 9x^3 + 11x^2 - 2x - 1$	$[-0.211, 2.471]$
9	$2x^4 - 10x^3 + 14x^2 - 4x - 1$	$[-0.156, 2.726]$
10	$2x^4 - 11x^3 + 17x^2 - 5x - 1$	$[-0.134, 2.834]$

TABLE 59. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt{4}} \right) < 2.9893$.

i	Polynomials Q_i	Intervals $[a_i, b_i]$
1	$2x^5 - 5x^4 - x^3 + 6x^2 - 1$	$[-0.915, 2.067]$
2	$2x^5 - 6x^4 - x^3 + 9x^2 + 2x - 1$	$[-0.913, 2.308]$
3	$2x^6 - 9x^5 + 9x^4 + 7x^3 - 10x^2 - x + 1$	$[-0.861, 2.322]$
4	$2x^5 - 8x^4 + 6x^3 + 6x^2 - 4x - 1$	$[-0.738, 2.353]$
5	$2x^5 - 9x^4 + 10x^3 + 2x^2 - 5x + 1$	$[-0.678, 2.444]$
6	$2x^5 - 10x^4 + 13x^3 + x^2 - 6x + 1$	$[-0.638, 2.492]$
7	$2x^5 - 11x^4 + 17x^3 - 2x^2 - 8x + 1$	$[-0.592, 2.548]$
8	$2x^6 - 12x^5 + 22x^4 - 8x^3 - 10x^2 + 4x + 1$	$[-0.566, 2.566]$
9	$2x^5 - 9x^4 + 9x^3 + 4x^2 - 4x - 1$	$[-0.548, 2.592]$
10	$2x^5 - 10x^4 + 13x^3 + x^2 - 6x - 1$	$[-0.492, 2.638]$
11	$2x^5 - 11x^4 + 18x^3 - 6x^2 - 5x + 1$	$[-0.444, 2.678]$
12	$2x^5 - 12x^4 + 22x^3 - 10x^2 - 4x + 1$	$[-0.353, 2.738]$
13	$2x^6 - 15x^5 + 39x^4 - 39x^3 + 8x^2 + 5x - 1$	$[-0.322, 2.861]$
14	$2x^5 - 14x^4 + 31x^3 - 19x^2 - 6x + 1$	$[-0.308, 2.913]$
15	$2x^5 - 15x^4 + 39x^3 - 40x^2 + 12x + 1$	$[-0.067, 2.915]$

TABLE 60. Polynomials used to prove $L_+ \left(\frac{1}{\sqrt{5}} \right) < 3.2352$.