

| $\{[n,q,k]\}$   | Generator Polynomial  | Weight Numerator   | $\{\text{Avg Wt, Std}\}$   |
|-----------------|-----------------------|--|--|
| $\{[3, 3, 0]\}$ | 0                     | $\frac{8}{27} z^3 + \frac{4}{9} z^2 + \frac{2}{9} z + \frac{1}{27}$  | $\left\{ \left[ 2, \frac{\sqrt{6}}{3} \right] \right\}$            |
| $\{[4, 3, 1]\}$ | $x^3 + 2x^2 + x + 2$  | $2z^4 + 1$   | $\left\{ \left[ \frac{8}{3}, \frac{4\sqrt{2}}{3} \right] \right\}$ |
| $\{[4, 3, 1]\}$ | $x^3 + x^2 + x + 1$   | $2z^4 + 1$   | $\left\{ \left[ \frac{8}{3}, \frac{4\sqrt{2}}{3} \right] \right\}$ |
| $\{[6, 3, 3]\}$ | $x^3 + 2$             | $8z^6 + 12z^4 + 6z^2 + 1$  | $\left\{ \left[ 4, \frac{2\sqrt{6}}{3} \right] \right\}$           |
| $\{[6, 3, 3]\}$ | $x^3 + 1$             | $8z^6 + 12z^4 + 6z^2 + 1$  | $\left\{ \left[ 4, \frac{2\sqrt{6}}{3} \right] \right\}$           |
| $\{[6, 3, 3]\}$ | $x^3 + 2x^2 + 2x + 1$ | $4z^6 + 18z^4 + 4z^3 + 1$  | $\left\{ \left[ 4, \frac{2\sqrt{3}}{3} \right] \right\}$           |
| $\{[6, 3, 3]\}$ | $x^3 + x^2 + 2x + 2$  | $4z^6 + 18z^4 + 4z^3 + 1$  | $\left\{ \left[ 4, \frac{2\sqrt{3}}{3} \right] \right\}$           |
| $\{[8, 3, 5]\}$ | $x^3 + x + 2$         | $6z^8 + 48z^7 + 64z^6 + 48z^5 + 60z^4 + 16z^3 + 1$                   | $\left\{ \left[ \frac{16}{3}, \frac{4}{3} \right] \right\}$        |
| $\{[8, 3, 5]\}$ | $x^3 + x + 1$         | $6z^8 + 48z^7 + 64z^6 + 48z^5 + 60z^4 + 16z^3 + 1$                   | $\left\{ \left[ \frac{16}{3}, \frac{4}{3} \right] \right\}$        |
| $\{[8, 3, 5]\}$ | $x^3 + 2x^2 + x + 2$  | $18z^8 + 16z^7 + 80z^6 + 64z^5 + 56z^4 + 8z^2 + 1$                   | $\left\{ \left[ \frac{16}{3}, \frac{4}{3} \right] \right\}$        |
| $\{[8, 3, 5]\}$ | $x^3 + 2x^2 + 2$      | $6z^8 + 48z^7 + 64z^6 + 48z^5 + 60z^4 + 16z^3 + 1$                   | $\left\{ \left[ \frac{16}{3}, \frac{4}{3} \right] \right\}$        |
| $\{[8, 3, 5]\}$ | $x^3 + x^2 + x + 1$   | $18z^8 + 16z^7 + 80z^6 + 64z^5 + 56z^4 + 8z^2 + 1$                   | $\left\{ \left[ \frac{16}{3}, \frac{4}{3} \right] \right\}$        |
| $\{[8, 3, 5]\}$ | $x^3 + x^2 + 1$       | $6z^8 + 48z^7 + 64z^6 + 48z^5 + 60z^4 + 16z^3 + 1$                   | $\left\{ \left[ \frac{16}{3}, \frac{4}{3} \right] \right\}$        |
| $\{[9, 3, 6]\}$ | $x^3 + 2$             | $8z^9 + 72z^8 + 216z^7 + 228z^6 + 72z^5 + 108z^4 + 6z^3 + 18z^2 + 1$ | $\{[6, \sqrt{2}]\}$  |

|                   |                   |  |   |
|-------------------|-------------------|--|---|
| $\{[12, 3, 9]\}$  | $x^3+2$           | $216 z^{12}+864 z^{11}+2448 z^{10}+3968 z^9+5004 z^8+3744 z^7+2352 z^6+576 z^5+450 z^4+24 z^3+36 z^2+1$  | $\left\{ \left[ 8, \frac{2\sqrt{6}}{3} \right] \right\}$            |
| $\{[12, 3, 9]\}$  | $x^3+1$           | $216 z^{12}+864 z^{11}+2448 z^{10}+3968 z^9+5004 z^8+3744 z^7+2352 z^6+576 z^5+450 z^4+24 z^3+36 z^2+1$  | $\left\{ \left[ 8, \frac{2\sqrt{6}}{3} \right] \right\}$            |
| $\{[12, 3, 9]\}$  | $x^3+2 x^2+x+2$   | $178 z^{12}+840 z^{11}+2484 z^{10}+4352 z^9+4662 z^8+3456 z^7+2508 z^6+792 z^5+378 z^4+8 z^3+24 z^2+1$   | $\left\{ \left[ 8, \frac{2\sqrt{6}}{3} \right] \right\}$            |
| $\{[12, 3, 9]\}$  | $x^3+2 x^2+2 x+1$ | $172 z^{12}+816 z^{11}+2664 z^{10}+4064 z^9+4698 z^8+3744 z^7+2292 z^6+792 z^5+396 z^4+32 z^3+12 z^2+1$  | $\left\{ \left[ 8, \frac{2\sqrt{6}}{3} \right] \right\}$            |
| $\{[12, 3, 9]\}$  | $x^3+x^2+x+1$     | $178 z^{12}+840 z^{11}+2484 z^{10}+4352 z^9+4662 z^8+3456 z^7+2508 z^6+792 z^5+378 z^4+8 z^3+24 z^2+1$   | $\left\{ \left[ 8, \frac{2\sqrt{6}}{3} \right] \right\}$            |
| $\{[12, 3, 9]\}$  | $x^3+x^2+2 x+2$   | $172 z^{12}+816 z^{11}+2664 z^{10}+4064 z^9+4698 z^8+3744 z^7+2292 z^6+792 z^5+396 z^4+32 z^3+12 z^2+1$  | $\left\{ \left[ 8, \frac{2\sqrt{6}}{3} \right] \right\}$            |
| $\{[13, 3, 10]\}$ | $x^3+2 x+2$       | $288 z^{13}+2080 z^{12}+5616 z^{11}+11232 z^{10}+13442 z^9+11934 z^8+8424 z^7+4056 z^6+1404 z^5+468 z^4+104 z^3+1$   | $\left\{ \left[ \frac{26}{3}, \frac{\sqrt{26}}{3} \right] \right\}$ |
| $\{[13, 3, 10]\}$ | $x^3+2 x^2+2 x+2$ | $288 z^{13}+2080 z^{12}+5616 z^{11}+11232 z^{10}+13442 z^9+11934 z^8+8424 z^7+4056 z^6+1404 z^5+468 z^4+104 z^3+1$   | $\left\{ \left[ \frac{26}{3}, \frac{\sqrt{26}}{3} \right] \right\}$ |
| $\{[13, 3, 10]\}$ | $x^3+x^2+x+2$     | $288 z^{13}+2080 z^{12}+5616 z^{11}+11232 z^{10}+13442 z^9+11934 z^8+8424 z^7+4056 z^6+1404 z^5+468 z^4+104 z^3+1$   | $\left\{ \left[ \frac{26}{3}, \frac{\sqrt{26}}{3} \right] \right\}$ |
| $\{[13, 3, 10]\}$ | $x^3+x^2+2$       | $288 z^{13}+2080 z^{12}+5616 z^{11}+11232 z^{10}+13442 z^9+11934 z^8+8424 z^7+4056 z^6+1404 z^5+468 z^4+104 z^3+1$   | $\left\{ \left[ \frac{26}{3}, \frac{\sqrt{26}}{3} \right] \right\}$ |
| $\{[15, 3, 12]\}$ | $x^3+2$           | $1000 z^{15}+9000 z^{14}+33000 z^{13}+69000 z^{12}+102000 z^{11}+114300 z^{10}+93800 z^9+63900 z^8+28800 z^7+12800 z^6+2430 z^5+1290 z^4+60 z^3+60 z^2+1$                    | $\left\{ \left[ 10, \frac{\sqrt{30}}{3} \right] \right\}$           |
| $\{[16, 3, 13]\}$ | $x^3+x+2$         | $2470 z^{16}+19104 z^{15}+73744 z^{14}+168608 z^{13}+276736 z^{12}+331712 z^{11}+303504 z^{10}+216032 z^9+123324 z^8+53408 z^7+19440 z^6+4832 z^5+1264 z^4+128 z^3+16 z^2+1$ | $\left\{ \left[ \frac{32}{3}, \frac{4\sqrt{2}}{3} \right] \right\}$ |
| $\{[16, 3, 13]\}$ | $x^3+x+1$         | $2470 z^{16}+19104 z^{15}+73744 z^{14}+168608 z^{13}+276736 z^{12}+331712 z^{11}+303504 z^{10}+216032 z^9+123324 z^8+53408 z^7+19440 z^6+4832 z^5+1264 z^4+128 z^3+16 z^2+1$ | $\left\{ \left[ \frac{32}{3}, \frac{4\sqrt{2}}{3} \right] \right\}$ |
|                   |                   |  |   |

|                   |                 |   |  |
|-------------------|-----------------|---|--|
| $\{[16, 3, 13]\}$ | $x^3+2x^2+x+2$  | $2546z^{16}+18912z^{15}+73392z^{14}+170080z^{13}+276112z^{12}+329280z^{11}$<br>$+306624z^{10}+215168z^9+123768z^8+51520z^7+21216z^6+4224z^5$<br>$+1400z^4+32z^3+48z^2+1$  | $\left\{\left[\frac{32}{3}, \frac{4\sqrt{2}}{3}\right]\right\}$  |
| $\{[16, 3, 13]\}$ | $x^3+2x^2+2$    | $2470z^{16}+19104z^{15}+73744z^{14}+168608z^{13}+276736z^{12}+331712z^{11}$<br>$+303504z^{10}+216032z^9+123324z^8+53408z^7+19440z^6+4832z^5$<br>$+1264z^4+128z^3+16z^2+1$   | $\left\{\left[\frac{32}{3}, \frac{4\sqrt{2}}{3}\right]\right\}$  |
| $\{[16, 3, 13]\}$ | $x^3+x^2+x+1$   | $2546z^{16}+18912z^{15}+73392z^{14}+170080z^{13}+276112z^{12}+329280z^{11}$<br>$+306624z^{10}+215168z^9+123768z^8+51520z^7+21216z^6+4224z^5$<br>$+1400z^4+32z^3+48z^2+1$  | $\left\{\left[\frac{32}{3}, \frac{4\sqrt{2}}{3}\right]\right\}$  |
| $\{[16, 3, 13]\}$ | $x^3+x^2+1$     | $2470z^{16}+19104z^{15}+73744z^{14}+168608z^{13}+276736z^{12}+331712z^{11}$<br>$+303504z^{10}+216032z^9+123324z^8+53408z^7+19440z^6+4832z^5$<br>$+1264z^4+128z^3+16z^2+1$   | $\left\{\left[\frac{32}{3}, \frac{4\sqrt{2}}{3}\right]\right\}$  |
| $\{[18, 3, 15]\}$ | $x^3+2$         | $10648z^{18}+87120z^{17}+368280z^{16}+986880z^{15}+1866960z^{14}+2602800z^{13}$<br>$+2812452z^{12}+2398320z^{11}+1675080z^{10}+911680z^9+429660z^8$<br>$+140400z^7+48066z^6+7380z^5+2970z^4+120z^3+90z^2+1$   | $\{[12, 2]\}$  |
| $\{[18, 3, 15]\}$ | $x^3+1$         | $10648z^{18}+87120z^{17}+368280z^{16}+986880z^{15}+1866960z^{14}+2602800z^{13}$<br>$+2812452z^{12}+2398320z^{11}+1675080z^{10}+911680z^9+429660z^8$<br>$+140400z^7+48066z^6+7380z^5+2970z^4+120z^3+90z^2+1$   | $\{[12, 2]\}$  |
| $\{[18, 3, 15]\}$ | $x^3+2x^2+2x+1$ | $9676z^{18}+87336z^{17}+372492z^{16}+986880z^{15}+1860696z^{14}+2599560z^{13}$<br>$+2813910z^{12}+2411496z^{11}+1668276z^{10}+912652z^9+421182z^8$<br>$+146880z^7+46608z^6+8784z^5+2322z^4+120z^3+36z^2+1$  | $\{[12, 2]\}$  |
| $\{[18, 3, 15]\}$ | $x^3+x^2+2x+2$  | $9676z^{18}+87336z^{17}+372492z^{16}+986880z^{15}+1860696z^{14}+2599560z^{13}$<br>$+2813910z^{12}+2411496z^{11}+1668276z^{10}+912652z^9+421182z^8$<br>$+146880z^7+46608z^6+8784z^5+2322z^4+120z^3+36z^2+1$  | $\{[12, 2]\}$  |
| $\{[20, 3, 17]\}$ | $x^3+2x^2+x+2$  | $39282z^{20}+386200z^{19}+1846940z^{18}+5539480z^{17}+11747290z^{16}$<br>$+18818200z^{15}+23537800z^{14}+23498200z^{13}+19132300z^{12}$<br>$+12703000z^{11}+7054100z^{10}+3147600z^9+1218800z^8+350600z^7$<br>$+101600z^6+14840z^5+3770z^4+80z^3+80z^2+1$ | $\left\{\left[\frac{40}{3}, \frac{2\sqrt{10}}{3}\right]\right\}$ |
|                   |                 | $39282z^{20}+386200z^{19}+1846940z^{18}+5539480z^{17}+11747290z^{16}$   |  |

|                   |                 |  |  |
|-------------------|-----------------|--|--|
| $\{[20, 3, 17]\}$ | $x^3+x^2+x+1$   | $+18818200 z^{15}+23537800 z^{14}+23498200 z^{13}+19132300 z^{12}$<br>$+12703000 z^{11}+7054100 z^{10}+3147600 z^9+1218800 z^8+350600 z^7$<br>$+101600 z^6+14840 z^5+3770 z^4+80 z^3+80 z^2+1$   | $\left\{ \left[ \frac{40}{3}, \frac{2\sqrt{10}}{3} \right] \right\}$ |
| $\{[21, 3, 18]\}$ | $x^3+2$         | $74088 z^{21}+814968 z^{20}+4099536 z^{19}+12913264 z^{18}+29017800 z^{17}$<br>$+49367304 z^{16}+65880696 z^{15}+70660548 z^{14}+61655328 z^{13}$<br>$+44618028 z^{12}+26646984 z^{11}+13506948 z^{10}+5498584 z^9+1988028 z^8$<br>$+511686 z^7+142170 z^6+18270 z^5+5922 z^4+210 z^3+126 z^2+1$   | $\left\{ \left[ 14, \frac{\sqrt{42}}{3} \right] \right\}$            |
| $\{[24, 3, 21]\}$ | $x^3+2$         | $636056 z^{24}+7455168 z^{23}+42794976 z^{22}+157157952 z^{21}+412940976 z^{20}$<br>$+825459264 z^{19}+1306502176 z^{18}+1679779584 z^{17}+1785561804 z^{16}$<br>$+1586838848 z^{15}+1190768544 z^{14}+756315840 z^{13}+410875920 z^{12}$<br>$+188688192 z^{11}+75057696 z^{10}+24416896 z^9+7171506 z^8+1525104 z^7$<br>$+356216 z^6+39312 z^5+10668 z^4+336 z^3+168 z^2+1$ | $\left\{ \left[ 16, \frac{4\sqrt{3}}{3} \right] \right\}$            |
| $\{[24, 3, 21]\}$ | $x^3+1$         | $636056 z^{24}+7455168 z^{23}+42794976 z^{22}+157157952 z^{21}+412940976 z^{20}$<br>$+825459264 z^{19}+1306502176 z^{18}+1679779584 z^{17}+1785561804 z^{16}$<br>$+1586838848 z^{15}+1190768544 z^{14}+756315840 z^{13}+410875920 z^{12}$<br>$+188688192 z^{11}+75057696 z^{10}+24416896 z^9+7171506 z^8+1525104 z^7$<br>$+356216 z^6+39312 z^5+10668 z^4+336 z^3+168 z^2+1$ | $\left\{ \left[ 16, \frac{4\sqrt{3}}{3} \right] \right\}$            |
| $\{[24, 3, 21]\}$ | $x^3+x+2$       | $621094 z^{24}+7459440 z^{23}+42862968 z^{22}+157233040 z^{21}+412661100 z^{20}$<br>$+825293232 z^{19}+1306924048 z^{18}+1680055200 z^{17}+1785193074 z^{16}$<br>$+1586847952 z^{15}+1190205888 z^{14}+757125072 z^{13}+410480824 z^{12}$<br>$+189147792 z^{11}+74511792 z^{10}+24702640 z^9+7030458 z^8+1613952 z^7$<br>$+328648 z^6+47328 z^5+7164 z^4+448 z^3+48 z^2+1$   | $\left\{ \left[ 16, \frac{4\sqrt{3}}{3} \right] \right\}$            |
| $\{[24, 3, 21]\}$ | $x^3+x+1$       | $621094 z^{24}+7459440 z^{23}+42862968 z^{22}+157233040 z^{21}+412661100 z^{20}$<br>$+825293232 z^{19}+1306924048 z^{18}+1680055200 z^{17}+1785193074 z^{16}$<br>$+1586847952 z^{15}+1190205888 z^{14}+757125072 z^{13}+410480824 z^{12}$<br>$+189147792 z^{11}+74511792 z^{10}+24702640 z^9+7030458 z^8+1613952 z^7$<br>$+328648 z^6+47328 z^5+7164 z^4+448 z^3+48 z^2+1$   | $\left\{ \left[ 16, \frac{4\sqrt{3}}{3} \right] \right\}$            |
| $\{[24, 3, 21]\}$ | $x^3+2 x^2+x+2$ | $623218 z^{24}+7445328 z^{23}+42896232 z^{22}+157210288 z^{21}+412633092 z^{20}$<br>$+825326928 z^{19}+1306962496 z^{18}+1679986944 z^{17}+1785251718 z^{16}$<br>$+1586668960 z^{15}+1190568912 z^{14}+756728064 z^{13}+410825596 z^{12}$  |  |

|                   |                       |   |   |
|-------------------|-----------------------|---|---|
|                   |                       | $+188802480 z^{11} + 74829960 z^{10} + 24497008 z^9 + 7129818 z^8 + 1566000 z^7$<br>$+ 350968 z^6 + 40560 z^5 + 8352 z^4 + 160 z^3 + 120 z^2 + 1$   | $\left\{ \left[ 16, \frac{4\sqrt{3}}{3} \right] \right\}$ |
| $\{[24, 3, 21]\}$ | $x^3 + 2x^2 + 2$      | $621094 z^{24} + 7459440 z^{23} + 42862968 z^{22} + 157233040 z^{21} + 412661100 z^{20}$<br>$+ 825293232 z^{19} + 1306924048 z^{18} + 1680055200 z^{17} + 1785193074 z^{16}$<br>$+ 1586847952 z^{15} + 1190205888 z^{14} + 757125072 z^{13} + 410480824 z^{12}$<br>$+ 189147792 z^{11} + 74511792 z^{10} + 24702640 z^9 + 7030458 z^8 + 1613952 z^7$<br>$+ 328648 z^6 + 47328 z^5 + 7164 z^4 + 448 z^3 + 48 z^2 + 1$  | $\left\{ \left[ 16, \frac{4\sqrt{3}}{3} \right] \right\}$ |
| $\{[24, 3, 21]\}$ | $x^3 + 2x^2 + 2x + 1$ | $622156 z^{24} + 7450848 z^{23} + 42892272 z^{22} + 157180192 z^{21} + 412706520 z^{20}$<br>$+ 825309216 z^{19} + 1306822096 z^{18} + 1680177600 z^{17} + 1785198474 z^{16}$<br>$+ 1586637280 z^{15} + 1190495376 z^{14} + 756929088 z^{13} + 410596996 z^{12}$<br>$+ 189004176 z^{11} + 74677896 z^{10} + 24586864 z^9 + 7083180 z^8 + 1592352 z^7$<br>$+ 338512 z^6 + 43776 z^5 + 7956 z^4 + 304 z^3 + 72 z^2 + 1$  | $\left\{ \left[ 16, \frac{4\sqrt{3}}{3} \right] \right\}$ |
| $\{[24, 3, 21]\}$ | $x^3 + x^2 + x + 1$   | $623218 z^{24} + 7445328 z^{23} + 42896232 z^{22} + 157210288 z^{21} + 412633092 z^{20}$<br>$+ 825326928 z^{19} + 1306962496 z^{18} + 1679986944 z^{17} + 1785251718 z^{16}$<br>$+ 1586668960 z^{15} + 1190568912 z^{14} + 756728064 z^{13} + 410825596 z^{12}$<br>$+ 188802480 z^{11} + 74829960 z^{10} + 24497008 z^9 + 7129818 z^8 + 1566000 z^7$<br>$+ 350968 z^6 + 40560 z^5 + 8352 z^4 + 160 z^3 + 120 z^2 + 1$ | $\left\{ \left[ 16, \frac{4\sqrt{3}}{3} \right] \right\}$ |
| $\{[24, 3, 21]\}$ | $x^3 + x^2 + 1$       | $621094 z^{24} + 7459440 z^{23} + 42862968 z^{22} + 157233040 z^{21} + 412661100 z^{20}$<br>$+ 825293232 z^{19} + 1306924048 z^{18} + 1680055200 z^{17} + 1785193074 z^{16}$<br>$+ 1586847952 z^{15} + 1190205888 z^{14} + 757125072 z^{13} + 410480824 z^{12}$<br>$+ 189147792 z^{11} + 74511792 z^{10} + 24702640 z^9 + 7030458 z^8 + 1613952 z^7$<br>$+ 328648 z^6 + 47328 z^5 + 7164 z^4 + 448 z^3 + 48 z^2 + 1$  | $\left\{ \left[ 16, \frac{4\sqrt{3}}{3} \right] \right\}$ |
| $\{[24, 3, 21]\}$ | $x^3 + x^2 + 2x + 2$  | $622156 z^{24} + 7450848 z^{23} + 42892272 z^{22} + 157180192 z^{21} + 412706520 z^{20}$<br>$+ 825309216 z^{19} + 1306822096 z^{18} + 1680177600 z^{17} + 1785198474 z^{16}$<br>$+ 1586637280 z^{15} + 1190495376 z^{14} + 756929088 z^{13} + 410596996 z^{12}$<br>$+ 189004176 z^{11} + 74677896 z^{10} + 24586864 z^9 + 7083180 z^8 + 1592352 z^7$<br>$+ 338512 z^6 + 43776 z^5 + 7956 z^4 + 304 z^3 + 72 z^2 + 1$  | $\left\{ \left[ 16, \frac{4\sqrt{3}}{3} \right] \right\}$ |
|                   |                       | $2485760 z^{26} + 32308224 z^{25} + 201969664 z^{24} + 807712256 z^{23}$  |   |

|                   |                       |  |  |
|-------------------|-----------------------|--|--|
| $\{[26, 3, 23]\}$ | $x^3 + 2x + 2$        | $+2322585408 z^{22} + 5109025792 z^{21} + 8941403744 z^{20} + 12773348640 z^{19}$<br>$+ 15167806030 z^{18} + 15168460580 z^{17} + 12893038782 z^{16}$<br>$+ 9376418272 z^{15} + 5860578776 z^{14} + 3155691504 z^{13} + 1464998392 z^{12}$<br>$+ 586063712 z^{11} + 201485700 z^{10} + 59232472 z^9 + 14809028 z^8$<br>$+ 3123744 z^7 + 545272 z^6 + 77168 z^5 + 9048 z^4 + 832 z^3 + 26 z^2 + 1$  | $\left\{ \left[ \frac{52}{3}, \frac{2\sqrt{13}}{3} \right] \right\}$ |
| $\{[26, 3, 23]\}$ | $x^3 + 2x + 1$        | $2485760 z^{26} + 32308224 z^{25} + 201969664 z^{24} + 807712256 z^{23}$<br>$+ 2322585408 z^{22} + 5109025792 z^{21} + 8941403744 z^{20} + 12773348640 z^{19}$<br>$+ 15167806030 z^{18} + 15168460580 z^{17} + 12893038782 z^{16}$<br>$+ 9376418272 z^{15} + 5860578776 z^{14} + 3155691504 z^{13} + 1464998392 z^{12}$<br>$+ 586063712 z^{11} + 201485700 z^{10} + 59232472 z^9 + 14809028 z^8$<br>$+ 3123744 z^7 + 545272 z^6 + 77168 z^5 + 9048 z^4 + 832 z^3 + 26 z^2 + 1$ | $\left\{ \left[ \frac{52}{3}, \frac{2\sqrt{13}}{3} \right] \right\}$ |
| $\{[26, 3, 23]\}$ | $x^3 + 2x^2 + x + 1$  | $2485760 z^{26} + 32308224 z^{25} + 201969664 z^{24} + 807712256 z^{23}$<br>$+ 2322585408 z^{22} + 5109025792 z^{21} + 8941403744 z^{20} + 12773348640 z^{19}$<br>$+ 15167806030 z^{18} + 15168460580 z^{17} + 12893038782 z^{16}$<br>$+ 9376418272 z^{15} + 5860578776 z^{14} + 3155691504 z^{13} + 1464998392 z^{12}$<br>$+ 586063712 z^{11} + 201485700 z^{10} + 59232472 z^9 + 14809028 z^8$<br>$+ 3123744 z^7 + 545272 z^6 + 77168 z^5 + 9048 z^4 + 832 z^3 + 26 z^2 + 1$ | $\left\{ \left[ \frac{52}{3}, \frac{2\sqrt{13}}{3} \right] \right\}$ |
| $\{[26, 3, 23]\}$ | $x^3 + 2x^2 + 1$      | $2485760 z^{26} + 32308224 z^{25} + 201969664 z^{24} + 807712256 z^{23}$<br>$+ 2322585408 z^{22} + 5109025792 z^{21} + 8941403744 z^{20} + 12773348640 z^{19}$<br>$+ 15167806030 z^{18} + 15168460580 z^{17} + 12893038782 z^{16}$<br>$+ 9376418272 z^{15} + 5860578776 z^{14} + 3155691504 z^{13} + 1464998392 z^{12}$<br>$+ 586063712 z^{11} + 201485700 z^{10} + 59232472 z^9 + 14809028 z^8$<br>$+ 3123744 z^7 + 545272 z^6 + 77168 z^5 + 9048 z^4 + 832 z^3 + 26 z^2 + 1$ | $\left\{ \left[ \frac{52}{3}, \frac{2\sqrt{13}}{3} \right] \right\}$ |
| $\{[26, 3, 23]\}$ | $x^3 + 2x^2 + 2x + 2$ | $2485760 z^{26} + 32308224 z^{25} + 201969664 z^{24} + 807712256 z^{23}$<br>$+ 2322585408 z^{22} + 5109025792 z^{21} + 8941403744 z^{20} + 12773348640 z^{19}$<br>$+ 15167806030 z^{18} + 15168460580 z^{17} + 12893038782 z^{16}$<br>$+ 9376418272 z^{15} + 5860578776 z^{14} + 3155691504 z^{13} + 1464998392 z^{12}$<br>$+ 586063712 z^{11} + 201485700 z^{10} + 59232472 z^9 + 14809028 z^8$<br>$+ 3123744 z^7 + 545272 z^6 + 77168 z^5 + 9048 z^4 + 832 z^3 + 26 z^2 + 1$ | $\left\{ \left[ \frac{52}{3}, \frac{2\sqrt{13}}{3} \right] \right\}$ |
|                   |                       | $2485760 z^{26} + 32308224 z^{25} + 201969664 z^{24} + 807712256 z^{23}$   |  |

|                   |                |   |  |
|-------------------|----------------|---|--|
| $\{[26, 3, 23]\}$ | $x^3+x^2+x+2$  | $+2322585408 z^{22}+5109025792 z^{21}+8941403744 z^{20}+12773348640 z^{19}$<br>$+15167806030 z^{18}+15168460580 z^{17}+12893038782 z^{16}$<br>$+9376418272 z^{15}+5860578776 z^{14}+3155691504 z^{13}+1464998392 z^{12}$<br>$+586063712 z^{11}+201485700 z^{10}+59232472 z^9+14809028 z^8$<br>$+3123744 z^7+545272 z^6+77168 z^5+9048 z^4+832 z^3+26 z^2+1$   | $\left\{ \left[ \frac{52}{3}, \frac{2\sqrt{13}}{3} \right] \right\}$ |
| $\{[26, 3, 23]\}$ | $x^3+x^2+2$    | $2485760 z^{26}+32308224 z^{25}+201969664 z^{24}+807712256 z^{23}$<br>$+2322585408 z^{22}+5109025792 z^{21}+8941403744 z^{20}+12773348640 z^{19}$<br>$+15167806030 z^{18}+15168460580 z^{17}+12893038782 z^{16}$<br>$+9376418272 z^{15}+5860578776 z^{14}+3155691504 z^{13}+1464998392 z^{12}$<br>$+586063712 z^{11}+201485700 z^{10}+59232472 z^9+14809028 z^8$<br>$+3123744 z^7+545272 z^6+77168 z^5+9048 z^4+832 z^3+26 z^2+1$                                 | $\left\{ \left[ \frac{52}{3}, \frac{2\sqrt{13}}{3} \right] \right\}$ |
| $\{[26, 3, 23]\}$ | $x^3+x^2+2x+1$ | $2485760 z^{26}+32308224 z^{25}+201969664 z^{24}+807712256 z^{23}$<br>$+2322585408 z^{22}+5109025792 z^{21}+8941403744 z^{20}+12773348640 z^{19}$<br>$+15167806030 z^{18}+15168460580 z^{17}+12893038782 z^{16}$<br>$+9376418272 z^{15}+5860578776 z^{14}+3155691504 z^{13}+1464998392 z^{12}$<br>$+586063712 z^{11}+201485700 z^{10}+59232472 z^9+14809028 z^8$<br>$+3123744 z^7+545272 z^6+77168 z^5+9048 z^4+832 z^3+26 z^2+1$                                 | $\left\{ \left[ \frac{52}{3}, \frac{2\sqrt{13}}{3} \right] \right\}$ |
| $\{[27, 3, 24]\}$ | $x^3+2$        | $4913000 z^{27}+67105800 z^{26}+436619160 z^{25}+1817600184 z^{24}$<br>$+5451543216 z^{23}+12540053232 z^{22}+22993648272 z^{21}$<br>$+34490193552 z^{20}+43107002496 z^{19}+45503004396 z^{18}$<br>$+40951997064 z^{17}+31652553708 z^{16}+21093456384 z^{15}$<br>$+12176653104 z^{14}+6078760992 z^{13}+2642329584 z^{12}+985564800 z^{11}$<br>$+322653456 z^{10}+87436446 z^9+21639042 z^8+3923640 z^7+790056 z^6$<br>$+76356 z^5+17820 z^4+504 z^3+216 z^2+1$ | $\{[18, \sqrt{6}]\}$   |
| $\{[28, 3, 25]\}$ | $x^3+2x^2+x+2$ | $9949298 z^{28}+139138440 z^{27}+939633492 z^{26}+4071296936 z^{25}$<br>$+12722265094 z^{24}+30535093008 z^{23}+58524726680 z^{22}$<br>$+91966334824 z^{21}+120707085786 z^{20}+134118101096 z^{19}$<br>$+127416052204 z^{18}+104240774064 z^{17}+73848388334 z^{16}$<br>$+45433401328 z^{15}+24352007652 z^{14}+11351613224 z^{13}$<br>$+4621947442 z^{12}+1624165368 z^{11}+500620064 z^{10}+129417232 z^9$   | $\left\{ \left[ \frac{56}{3}, \frac{2\sqrt{14}}{3} \right] \right\}$ |

|                   |                       |  |  |
|-------------------|-----------------------|--|--|
|                   |                       | $+30151758 z^8 + 5356064 z^7 + 979636 z^6 + 93744 z^5 + 16226 z^4 + 280 z^3 + 168 z^2 + 1$   |  |
| $\{[28, 3, 25]\}$ | $x^3 + x^2 + x + 1$   | $9949298 z^{28} + 139138440 z^{27} + 939633492 z^{26} + 4071296936 z^{25} + 12722265094 z^{24} + 30535093008 z^{23} + 58524726680 z^{22} + 91966334824 z^{21} + 120707085786 z^{20} + 134118101096 z^{19} + 127416052204 z^{18} + 104240774064 z^{17} + 73848388334 z^{16} + 45433401328 z^{15} + 24352007652 z^{14} + 11351613224 z^{13} + 4621947442 z^{12} + 1624165368 z^{11} + 500620064 z^{10} + 129417232 z^9 + 30151758 z^8 + 5356064 z^7 + 979636 z^6 + 93744 z^5 + 16226 z^4 + 280 z^3 + 168 z^2 + 1$  | $\left\{ \left[ \frac{56}{3}, \frac{2\sqrt{14}}{3} \right] \right\}$ |
| $\{[30, 3, 27]\}$ | $x^3 + 2$             | $40001688 z^{30} + 596516400 z^{29} + 4323092040 z^{28} + 20181603680 z^{27} + 68121856440 z^{26} + 177103495440 z^{25} + 368948425320 z^{24} + 632489100480 z^{23} + 909232204680 z^{22} + 1111286203200 z^{21} + 1166838312492 z^{20} + 1060718511600 z^{19} + 839785715040 z^{18} + 581353638480 z^{17} + 353030789340 z^{16} + 188207087040 z^{15} + 88281985320 z^{14} + 36298525680 z^{13} + 13148408880 z^{12} + 4128807600 z^{11} + 1148564826 z^{10} + 266786700 z^9 + 57068010 z^8 + 9022320 z^7 + 1596060 z^6 + 137160 z^5 + 28080 z^4 + 720 z^3 + 270 z^2 + 1$ | $\left\{ \left[ 20, \frac{2\sqrt{15}}{3} \right] \right\}$           |
| $\{[30, 3, 27]\}$ | $x^3 + 1$             | $40001688 z^{30} + 596516400 z^{29} + 4323092040 z^{28} + 20181603680 z^{27} + 68121856440 z^{26} + 177103495440 z^{25} + 368948425320 z^{24} + 632489100480 z^{23} + 909232204680 z^{22} + 1111286203200 z^{21} + 1166838312492 z^{20} + 1060718511600 z^{19} + 839785715040 z^{18} + 581353638480 z^{17} + 353030789340 z^{16} + 188207087040 z^{15} + 88281985320 z^{14} + 36298525680 z^{13} + 13148408880 z^{12} + 4128807600 z^{11} + 1148564826 z^{10} + 266786700 z^9 + 57068010 z^8 + 9022320 z^7 + 1596060 z^6 + 137160 z^5 + 28080 z^4 + 720 z^3 + 270 z^2 + 1$ | $\left\{ \left[ 20, \frac{2\sqrt{15}}{3} \right] \right\}$           |
| $\{[30, 3, 27]\}$ | $x^3 + 2x^2 + 2x + 1$ | $39764044 z^{30} + 596549400 z^{29} + 4324771620 z^{28} + 20182117040 z^{27} + 68116467420 z^{26} + 177098868360 z^{25} + 368959392180 z^{24} + 632502292320 z^{23} + 909219155220 z^{22} + 1111267518000 z^{21} + 1166837957658 z^{20} + 1060747869960 z^{19} + 839779440600 z^{18}$  |  |



|                   |                      |   |   |
|-------------------|----------------------|---|---|
|                   |                      | $+581358668760 z^{17} + 352999260810 z^{16} + 188232831324 z^{15}$<br>$+88266484800 z^{14} + 36317825460 z^{13} + 13134131220 z^{12}$<br>$+4135674060 z^{11} + 1143916200 z^{10} + 269139300 z^9 + 56369700 z^8$<br>$+9357300 z^7 + 1494000 z^6 + 147060 z^5 + 20430 z^4 + 620 z^3 + 120 z^2 + 1$   | $\left\{ \left[ 20, \frac{2\sqrt{15}}{3} \right] \right\}$  |
| $\{[30, 3, 27]\}$ | $x^3 + x^2 + 2x + 2$ | $39764044 z^{30} + 596549400 z^{29} + 4324771620 z^{28} + 20182117040 z^{27}$<br>$+68116467420 z^{26} + 177098868360 z^{25} + 368959392180 z^{24}$<br>$+632502292320 z^{23} + 909219155220 z^{22} + 1111267518000 z^{21}$<br>$+1166837957658 z^{20} + 1060747869960 z^{19} + 839779440600 z^{18}$<br>$+581358668760 z^{17} + 352999260810 z^{16} + 188232831324 z^{15}$<br>$+88266484800 z^{14} + 36317825460 z^{13} + 13134131220 z^{12}$<br>$+4135674060 z^{11} + 1143916200 z^{10} + 269139300 z^9 + 56369700 z^8$<br>$+9357300 z^7 + 1494000 z^6 + 147060 z^5 + 20430 z^4 + 620 z^3 + 120 z^2 + 1$  | $\left\{ \left[ 20, \frac{2\sqrt{15}}{3} \right] \right\}$  |
| $\{[32, 3, 29]\}$ | $x^3 + x + 2$        | $159075366 z^{32} + 2545130304 z^{31} + 19725259168 z^{30} + 98624358336 z^{29}$<br>$+357518095056 z^{28} + 1001043086912 z^{27} + 2252353804128 z^{26}$<br>$+4182940920384 z^{25} + 6535843775424 z^{24} + 8714454718464 z^{23}$<br>$+10021636334592 z^{22} + 10021617992832 z^{21} + 8768935562256 z^{20}$<br>$+6745305184704 z^{19} + 4577221972704 z^{18} + 2746265176512 z^{17}$<br>$+1459024102332 z^{16} + 686537464896 z^{15} + 286107607584 z^{14}$<br>$+105369937344 z^{13} + 34270833072 z^{12} + 9777062592 z^{11}$<br>$+2451374496 z^{10} + 529854144 z^9 + 100516464 z^8 + 15700608 z^7$<br>$+2214720 z^6 + 224256 z^5 + 24048 z^4 + 1088 z^3 + 96 z^2 + 1$ | $\left\{ \left[ \frac{64}{3}, \frac{8}{3} \right] \right\}$ |
| $\{[32, 3, 29]\}$ | $x^3 + x + 1$        | $159075366 z^{32} + 2545130304 z^{31} + 19725259168 z^{30} + 98624358336 z^{29}$<br>$+357518095056 z^{28} + 1001043086912 z^{27} + 2252353804128 z^{26}$<br>$+4182940920384 z^{25} + 6535843775424 z^{24} + 8714454718464 z^{23}$<br>$+10021636334592 z^{22} + 10021617992832 z^{21} + 8768935562256 z^{20}$<br>$+6745305184704 z^{19} + 4577221972704 z^{18} + 2746265176512 z^{17}$<br>$+1459024102332 z^{16} + 686537464896 z^{15} + 286107607584 z^{14}$<br>$+105369937344 z^{13} + 34270833072 z^{12} + 9777062592 z^{11}$<br>$+2451374496 z^{10} + 529854144 z^9 + 100516464 z^8 + 15700608 z^7$<br>$+2214720 z^6 + 224256 z^5 + 24048 z^4 + 1088 z^3 + 96 z^2 + 1$ | $\left\{ \left[ \frac{64}{3}, \frac{8}{3} \right] \right\}$ |

|                   |                      |   |   |
|-------------------|----------------------|---|---|
| $\{[32, 3, 29]\}$ | $x^3 + 2x^2 + x + 2$ | $159102066 z^{32} + 2544931264 z^{31} + 19725690080 z^{30} + 98624800576 z^{29}$<br>$+ 357514663536 z^{28} + 1001047705280 z^{27} + 2252356208928 z^{26}$<br>$+ 4182929265600 z^{25} + 6535850855184 z^{24} + 8714460898944 z^{23}$<br>$+ 10021635091392 z^{22} + 10021594154880 z^{21} + 8768978030400 z^{20}$<br>$+ 6745254937344 z^{19} + 4577287229184 z^{18} + 2746180659456 z^{17}$<br>$+ 1459114758648 z^{16} + 686454507648 z^{15} + 286177034304 z^{14}$<br>$+ 105317837184 z^{13} + 34304353440 z^{12} + 9758246016 z^{11}$<br>$+ 2460937536 z^{10} + 525606144 z^9 + 102064824 z^8 + 15220800 z^7$<br>$+ 2352672 z^6 + 192192 z^5 + 28688 z^4 + 448 z^3 + 224 z^2 + 1$ | $\left\{ \left[ \frac{64}{3}, \frac{8}{3} \right] \right\}$ |
| $\{[32, 3, 29]\}$ | $x^3 + 2x^2 + 2$     | $159075366 z^{32} + 2545130304 z^{31} + 19725259168 z^{30} + 98624358336 z^{29}$<br>$+ 357518095056 z^{28} + 1001043086912 z^{27} + 2252353804128 z^{26}$<br>$+ 4182940920384 z^{25} + 6535843775424 z^{24} + 8714454718464 z^{23}$<br>$+ 10021636334592 z^{22} + 10021617992832 z^{21} + 8768935562256 z^{20}$<br>$+ 6745305184704 z^{19} + 4577221972704 z^{18} + 2746265176512 z^{17}$<br>$+ 1459024102332 z^{16} + 686537464896 z^{15} + 286107607584 z^{14}$<br>$+ 105369937344 z^{13} + 34270833072 z^{12} + 9777062592 z^{11}$<br>$+ 2451374496 z^{10} + 529854144 z^9 + 100516464 z^8 + 15700608 z^7$<br>$+ 2214720 z^6 + 224256 z^5 + 24048 z^4 + 1088 z^3 + 96 z^2 + 1$ | $\left\{ \left[ \frac{64}{3}, \frac{8}{3} \right] \right\}$ |
| $\{[32, 3, 29]\}$ | $x^3 + x^2 + x + 1$  | $159102066 z^{32} + 2544931264 z^{31} + 19725690080 z^{30} + 98624800576 z^{29}$<br>$+ 357514663536 z^{28} + 1001047705280 z^{27} + 2252356208928 z^{26}$<br>$+ 4182929265600 z^{25} + 6535850855184 z^{24} + 8714460898944 z^{23}$<br>$+ 10021635091392 z^{22} + 10021594154880 z^{21} + 8768978030400 z^{20}$<br>$+ 6745254937344 z^{19} + 4577287229184 z^{18} + 2746180659456 z^{17}$<br>$+ 1459114758648 z^{16} + 686454507648 z^{15} + 286177034304 z^{14}$<br>$+ 105317837184 z^{13} + 34304353440 z^{12} + 9758246016 z^{11}$<br>$+ 2460937536 z^{10} + 525606144 z^9 + 102064824 z^8 + 15220800 z^7$<br>$+ 2352672 z^6 + 192192 z^5 + 28688 z^4 + 448 z^3 + 224 z^2 + 1$ | $\left\{ \left[ \frac{64}{3}, \frac{8}{3} \right] \right\}$ |
|                   |                      | $159075366 z^{32} + 2545130304 z^{31} + 19725259168 z^{30} + 98624358336 z^{29}$<br>$+ 357518095056 z^{28} + 1001043086912 z^{27} + 2252353804128 z^{26}$<br>$+ 4182940920384 z^{25} + 6535843775424 z^{24} + 8714454718464 z^{23}$<br>$+ 10021636334592 z^{22} + 10021617992832 z^{21} + 8768935562256 z^{20}$   |   |

|                   |                 |  |   |
|-------------------|-----------------|--|---|
| $\{[32, 3, 29]\}$ | $x^3 + x^2 + 1$ | $+6745305184704 z^{19} + 4577221972704 z^{18} + 2746265176512 z^{17}$<br>$+1459024102332 z^{16} + 686537464896 z^{15} + 286107607584 z^{14}$<br>$+105369937344 z^{13} + 34270833072 z^{12} + 9777062592 z^{11}$<br>$+2451374496 z^{10} + 529854144 z^9 + 100516464 z^8 + 15700608 z^7$<br>$+2214720 z^6 + 224256 z^5 + 24048 z^4 + 1088 z^3 + 96 z^2 + 1$  | $\left\{ \left[ \frac{64}{3}, \frac{8}{3} \right] \right\}$ |
| $\{[33, 3, 30]\}$ | $x^3 + 2$       | $317214568 z^{33} + 5249389464 z^{32} + 42003037824 z^{31} + 216977447808 z^{30}$<br>$+813630290880 z^{29} + 2359585470528 z^{28} + 5505814514816 z^{27}$<br>$+10618299065088 z^{26} + 17254543933440 z^{25} + 23964652338000 z^{24}$<br>$+28757722049496 z^{23} + 30065091060708 z^{22} + 27559413099504 z^{21}$<br>$+22259630217132 z^{20} + 15899370509880 z^{19} + 10070158600524 z^{18}$<br>$+5663988438768 z^{17} + 2832487575588 z^{16} + 1258392962640 z^{15}$<br>$+497091953160 z^{14} + 173734573320 z^{13} + 53938684008 z^{12}$<br>$+14625475326 z^{11} + 3537388206 z^{10} + 719072970 z^9 + 135470610 z^8$<br>$+18990180 z^7 + 2994992 z^6 + 231660 z^5 + 42240 z^4 + 990 z^3 + 330 z^2 + 1$   | $\left\{ \left[ 22, \frac{\sqrt{66}}{3} \right] \right\}$   |
| $\{[36, 3, 33]\}$ | $x^3 + 2$       | $2548895896 z^{36} + 45812951712 z^{35} + 400830330384 z^{34} + 2271547953312 z^{33}$<br>$+9370329795288 z^{32} + 29984680915200 z^{31} + 77459895435648 z^{30}$<br>$+165985814092032 z^{29} + 300850397461152 z^{28} + 467989551087872 z^{27}$<br>$+631784597891040 z^{26} + 746653562991072 z^{25} + 777765696941124 z^{24}$<br>$+717937596601632 z^{23} + 589735940534928 z^{22} + 432469684991520 z^{21}$<br>$+283811138247384 z^{20} + 166944265041312 z^{19} + 88113868160208 z^{18}$<br>$+41734323480960 z^{17} + 17740184081004 z^{16} + 6755620588992 z^{15}$<br>$+2304754043328 z^{14} + 700448459040 z^{13} + 190272360834 z^{12}$<br>$+45396723240 z^{11} + 9712623492 z^{10} + 1755421448 z^9 + 295512426 z^8$<br>$+37212912 z^7 + 5293992 z^6 + 372240 z^5 + 61182 z^4 + 1320 z^3 + 396 z^2 + 1$ | $\{[24, 2\sqrt{2}]\}$                                       |
| $\{[36, 3, 33]\}$ | $x^3 + 1$       | $2548895896 z^{36} + 45812951712 z^{35} + 400830330384 z^{34} + 2271547953312 z^{33}$<br>$+9370329795288 z^{32} + 29984680915200 z^{31} + 77459895435648 z^{30}$<br>$+165985814092032 z^{29} + 300850397461152 z^{28} + 467989551087872 z^{27}$<br>$+631784597891040 z^{26} + 746653562991072 z^{25} + 777765696941124 z^{24}$<br>$+717937596601632 z^{23} + 589735940534928 z^{22} + 432469684991520 z^{21}$<br>$+283811138247384 z^{20} + 166944265041312 z^{19} + 88113868160208 z^{18}$  | $\{[24, 2\sqrt{2}]\}$                                       |

|                   |                       |   |                       |
|-------------------|-----------------------|---|-----------------------|
|                   |                       | $+41734323480960 z^{17} + 17740184081004 z^{16} + 6755620588992 z^{15}$<br>$+ 2304754043328 z^{14} + 700448459040 z^{13} + 190272360834 z^{12}$<br>$+ 45396723240 z^{11} + 9712623492 z^{10} + 1755421448 z^9 + 295512426 z^8$<br>$+ 37212912 z^7 + 5293992 z^6 + 372240 z^5 + 61182 z^4 + 1320 z^3 + 396 z^2 + 1$  |                       |
| $\{[36, 3, 33]\}$ | $x^3 + 2x^2 + x + 2$  | $2545282162 z^{36} + 45811939320 z^{35} + 400866986124 z^{34} + 2271557747832 z^{33}$<br>$+ 9370176981282 z^{32} + 29984624280000 z^{31} + 77460202963488 z^{30}$<br>$+ 165986136756288 z^{29} + 300849947808120 z^{28} + 467988845122328 z^{27}$<br>$+ 631784833123464 z^{26} + 746654632694568 z^{25} + 777765855630816 z^{24}$<br>$+ 717936823183824 z^{23} + 589734998931312 z^{22} + 432470553753456 z^{21}$<br>$+ 283811269624524 z^{20} + 166944918231144 z^{19} + 88112816066436 z^{18}$<br>$+ 41734789085808 z^{17} + 17739740014056 z^{16} + 6756137078688 z^{15}$<br>$+ 2304486145872 z^{14} + 700596537408 z^{13} + 190164189384 z^{12}$<br>$+ 45438851016 z^{11} + 9696442608 z^{10} + 1764244616 z^9 + 293659848 z^8$<br>$+ 37739088 z^7 + 5052288 z^6 + 360144 z^5 + 47250 z^4 + 672 z^3 + 288 z^2 + 1$  | $\{[24, 2\sqrt{2}]\}$ |
| $\{[36, 3, 33]\}$ | $x^3 + 2x^2 + 2x + 1$ | $2545207372 z^{36} + 45812585808 z^{35} + 400865155848 z^{34} + 2271557478480 z^{33}$<br>$+ 9370190594412 z^{32} + 29984591325312 z^{31} + 77460232228032 z^{30}$<br>$+ 165986141599872 z^{29} + 300849929769744 z^{28} + 467988834223616 z^{27}$<br>$+ 631784834928144 z^{26} + 746654713391952 z^{25} + 777765718778886 z^{24}$<br>$+ 717936968022192 z^{23} + 589734759895128 z^{22} + 432470989183536 z^{21}$<br>$+ 283810691926692 z^{20} + 166945536767232 z^{19} + 88112174358516 z^{18}$<br>$+ 41735432801880 z^{17} + 17739180543006 z^{16} + 6756549636960 z^{15}$<br>$+ 2304211732128 z^{14} + 700766691840 z^{13} + 190069954632 z^{12}$<br>$+ 45483702336 z^{11} + 9677774376 z^{10} + 1771179296 z^9 + 291428514 z^8$<br>$+ 38353392 z^7 + 4901736 z^6 + 389520 z^5 + 43848 z^4 + 1104 z^3 + 180 z^2 + 1$ | $\{[24, 2\sqrt{2}]\}$ |
| $\{[36, 3, 33]\}$ | $x^3 + x^2 + x + 1$   | $2545282162 z^{36} + 45811939320 z^{35} + 400866986124 z^{34} + 2271557747832 z^{33}$<br>$+ 9370176981282 z^{32} + 29984624280000 z^{31} + 77460202963488 z^{30}$<br>$+ 165986136756288 z^{29} + 300849947808120 z^{28} + 467988845122328 z^{27}$<br>$+ 631784833123464 z^{26} + 746654632694568 z^{25} + 777765855630816 z^{24}$<br>$+ 717936823183824 z^{23} + 589734998931312 z^{22} + 432470553753456 z^{21}$<br>$+ 283811269624524 z^{20} + 166944918231144 z^{19} + 88112816066436 z^{18}$<br>$+ 41734789085808 z^{17} + 17739740014056 z^{16} + 6756137078688 z^{15}$  | $\{[24, 2\sqrt{2}]\}$ |

|                   |                      |  |   |
|-------------------|----------------------|--|---|
|                   |                      | $+2304486145872 z^{14} + 700596537408 z^{13} + 190164189384 z^{12}$<br>$+45438851016 z^{11} + 9696442608 z^{10} + 1764244616 z^9 + 293659848 z^8$<br>$+37739088 z^7 + 5052288 z^6 + 360144 z^5 + 47250 z^4 + 672 z^3 + 288 z^2 + 1$  |   |
| $\{[36, 3, 33]\}$ | $x^3 + x^2 + 2x + 2$ | $2545207372 z^{36} + 45812585808 z^{35} + 400865155848 z^{34} + 2271557478480 z^{33}$<br>$+ 9370190594412 z^{32} + 29984591325312 z^{31} + 77460232228032 z^{30}$<br>$+ 165986141599872 z^{29} + 300849929769744 z^{28} + 467988834223616 z^{27}$<br>$+ 631784834928144 z^{26} + 746654713391952 z^{25} + 777765718778886 z^{24}$<br>$+ 717936968022192 z^{23} + 589734759895128 z^{22} + 432470989183536 z^{21}$<br>$+ 283810691926692 z^{20} + 166945536767232 z^{19} + 88112174358516 z^{18}$<br>$+ 41735432801880 z^{17} + 17739180543006 z^{16} + 6756549636960 z^{15}$<br>$+ 2304211732128 z^{14} + 700766691840 z^{13} + 190069954632 z^{12}$<br>$+ 45483702336 z^{11} + 9677774376 z^{10} + 1771179296 z^9 + 291428514 z^8$<br>$+ 38353392 z^7 + 4901736 z^6 + 389520 z^5 + 43848 z^4 + 1104 z^3 + 180 z^2 + 1$  | $\{[24, 2\sqrt{2}]\}$                                     |
| $\{[39, 3, 36]\}$ | $x^3 + 2$            | $20346417000 z^{39} + 397045794600 z^{38} + 3772081764360 z^{37}$<br>$+ 23260315271752 z^{36} + 104670574732152 z^{35} + 366348788997048 z^{34}$<br>$+ 1037991341144472 z^{33} + 2446691436662616 z^{32}$<br>$+ 4893376557038112 z^{31} + 8427482420893536 z^{30}$<br>$+ 12641231993895648 z^{29} + 16663447199909952 z^{28}$<br>$+ 19440678933760136 z^{27} + 20188392752923668 z^{26}$<br>$+ 18746361195224832 z^{25} + 15621986782052820 z^{24}$<br>$+ 11716474861428480 z^{23} + 7925869066401000 z^{22}$<br>$+ 4843555802514000 z^{21} + 2676733199248680 z^{20}$<br>$+ 1338337946448360 z^{19} + 605466993288300 z^{18} + 247667860524240 z^{17}$<br>$+ 91545691711500 z^{16} + 30503987855640 z^{15} + 9158011890768 z^{14}$<br>$+ 2462082972102 z^{13} + 594472917402 z^{12} + 126630807732 z^{11}$<br>$+ 24290560008 z^{10} + 3952256594 z^9 + 601376490 z^8 + 68746392 z^7$<br>$+ 8906664 z^6 + 574002 z^5 + 85878 z^4 + 1716 z^3 + 468 z^2 + 1$ | $\left\{ \left[ 26, \frac{\sqrt{78}}{3} \right] \right\}$ |
|                   |                      | $20361322496 z^{39} + 397045948416 z^{38} + 3771934912512 z^{37}$<br>$+ 23260275171328 z^{36} + 104671196278272 z^{35} + 366349315677696 z^{34}$<br>$+ 1037989439625216 z^{33} + 2446689853251072 z^{32}$<br>$+ 4893379238693088 z^{31} + 8427486608967712 z^{30}$   |   |

|                   |                       |  |   |
|-------------------|-----------------------|--|---|
| $\{[39, 3, 36]\}$ | $x^3 + 2x + 2$        | $+12641230330261104 z^{29} + 16663439218798944 z^{28}$<br>$+19440679583239538 z^{27} + 20188398229264602 z^{26}$<br>$+18746369143516638 z^{25} + 15621974701616790 z^{24}$<br>$+11716481155988700 z^{23} + 7925854529349900 z^{22}$<br>$+4843577936760420 z^{21} + 2676714223231620 z^{20}$<br>$+1338356972491110 z^{19} + 605447226036510 z^{18} + 247683002323770 z^{17}$<br>$+91534994470530 z^{16} + 30511659714120 z^{15} + 9153508277160 z^{14}$<br>$+2464404300936 z^{13} + 593280426232 z^{12} + 127132439070 z^{11}$<br>$+24111535734 z^{10} + 4018384370 z^9 + 583317306 z^8 + 72942012 z^7$<br>$+7732140 z^6 + 680004 z^5 + 49140 z^4 + 2834 z^3 + 78 z^2 + 1$  | $\left\{ \left[ 26, \frac{\sqrt{78}}{3} \right] \right\}$ |
| $\{[39, 3, 36]\}$ | $x^3 + 2x^2 + 2x + 2$ | $20361322496 z^{39} + 397045948416 z^{38} + 3771934912512 z^{37}$<br>$+23260275171328 z^{36} + 104671196278272 z^{35} + 366349315677696 z^{34}$<br>$+1037989439625216 z^{33} + 2446689853251072 z^{32}$<br>$+4893379238693088 z^{31} + 8427486608967712 z^{30}$<br>$+12641230330261104 z^{29} + 16663439218798944 z^{28}$<br>$+19440679583239538 z^{27} + 20188398229264602 z^{26}$<br>$+18746369143516638 z^{25} + 15621974701616790 z^{24}$<br>$+11716481155988700 z^{23} + 7925854529349900 z^{22}$<br>$+4843577936760420 z^{21} + 2676714223231620 z^{20}$<br>$+1338356972491110 z^{19} + 605447226036510 z^{18} + 247683002323770 z^{17}$<br>$+91534994470530 z^{16} + 30511659714120 z^{15} + 9153508277160 z^{14}$<br>$+2464404300936 z^{13} + 593280426232 z^{12} + 127132439070 z^{11}$<br>$+24111535734 z^{10} + 4018384370 z^9 + 583317306 z^8 + 72942012 z^7$<br>$+7732140 z^6 + 680004 z^5 + 49140 z^4 + 2834 z^3 + 78 z^2 + 1$ | $\left\{ \left[ 26, \frac{\sqrt{78}}{3} \right] \right\}$ |
|                   |                       | $20361322496 z^{39} + 397045948416 z^{38} + 3771934912512 z^{37}$<br>$+23260275171328 z^{36} + 104671196278272 z^{35} + 366349315677696 z^{34}$<br>$+1037989439625216 z^{33} + 2446689853251072 z^{32}$<br>$+4893379238693088 z^{31} + 8427486608967712 z^{30}$<br>$+12641230330261104 z^{29} + 16663439218798944 z^{28}$<br>$+19440679583239538 z^{27} + 20188398229264602 z^{26}$<br>$+18746369143516638 z^{25} + 15621974701616790 z^{24}$  |   |

|                   |               |  |   |
|-------------------|---------------|--|---|
| $\{[39, 3, 36]\}$ | $x^3+x^2+x+2$ | $+11716481155988700 z^{23}+7925854529349900 z^{22}$<br>$+4843577936760420 z^{21}+2676714223231620 z^{20}$<br>$+1338356972491110 z^{19}+605447226036510 z^{18}+247683002323770 z^{17}$<br>$+91534994470530 z^{16}+30511659714120 z^{15}+9153508277160 z^{14}$<br>$+2464404300936 z^{13}+593280426232 z^{12}+127132439070 z^{11}$<br>$+24111535734 z^{10}+4018384370 z^9+583317306 z^8+72942012 z^7$<br>$+7732140 z^6+680004 z^5+49140 z^4+2834 z^3+78 z^2+1$  | $\left\{ \left[ 26, \frac{\sqrt{78}}{3} \right] \right\}$           |
| $\{[39, 3, 36]\}$ | $x^3+x^2+2$   | $20361322496 z^{39}+397045948416 z^{38}+3771934912512 z^{37}$<br>$+23260275171328 z^{36}+104671196278272 z^{35}+366349315677696 z^{34}$<br>$+1037989439625216 z^{33}+2446689853251072 z^{32}$<br>$+4893379238693088 z^{31}+8427486608967712 z^{30}$<br>$+12641230330261104 z^{29}+16663439218798944 z^{28}$<br>$+19440679583239538 z^{27}+20188398229264602 z^{26}$<br>$+18746369143516638 z^{25}+15621974701616790 z^{24}$<br>$+11716481155988700 z^{23}+7925854529349900 z^{22}$<br>$+4843577936760420 z^{21}+2676714223231620 z^{20}$<br>$+1338356972491110 z^{19}+605447226036510 z^{18}+247683002323770 z^{17}$<br>$+91534994470530 z^{16}+30511659714120 z^{15}+9153508277160 z^{14}$<br>$+2464404300936 z^{13}+593280426232 z^{12}+127132439070 z^{11}$<br>$+24111535734 z^{10}+4018384370 z^9+583317306 z^8+72942012 z^7$<br>$+7732140 z^6+680004 z^5+49140 z^4+2834 z^3+78 z^2+1$ | $\left\{ \left[ 26, \frac{\sqrt{78}}{3} \right] \right\}$           |
| $\{[40, 3, 37]\}$ | $x^3+x+2$     | $40722633766 z^{40}+814453389840 z^{39}+7940914707400 z^{38}$<br>$+50292488246640 z^{37}+232602668796340 z^{36}+837369786843888 z^{35}$<br>$+2442328359509640 z^{34}+5931368783057040 z^{33}$<br>$+12233448791155470 z^{32}+21748352253939680 z^{31}$<br>$+33709946922433944 z^{30}+45968109350063120 z^{29}$<br>$+55544798468223000 z^{28}+59817474670593920 z^{27}$<br>$+57681138922936920 z^{26}+49990315525882848 z^{25}$<br>$+39054941116913700 z^{24}+27568183986576000 z^{23}$<br>$+17613019027480200 z^{22}+10196996309269200 z^{21}$  | $\left\{ \left[ \frac{80}{3}, \frac{4\sqrt{5}}{3} \right] \right\}$ |

|                   |                      |   |   |
|-------------------|----------------------|---|---|
|                   |                      | $+5353438403513760 z^{20} + 2549241887234400 z^{19}$<br>$+1100821538473800 z^{18} + 430746367716000 z^{17} + 152563025081700 z^{16}$<br>$+48815696971296 z^{15} + 14084017720200 z^{14} + 3650078672240 z^{13}$<br>$+847962583080 z^{12} + 175182410240 z^{11} + 32210790600 z^{10}$<br>$+5165132000 z^9 + 734884950 z^8 + 86982000 z^7 + 9382800 z^6 + 732480 z^5$<br>$+60940 z^4 + 2160 z^3 + 160 z^2 + 1$  |   |
| $\{[40, 3, 37]\}$ | $x^3 + x + 1$        | $40722633766 z^{40} + 814453389840 z^{39} + 7940914707400 z^{38}$<br>$+50292488246640 z^{37} + 232602668796340 z^{36} + 837369786843888 z^{35}$<br>$+2442328359509640 z^{34} + 5931368783057040 z^{33}$<br>$+12233448791155470 z^{32} + 21748352253939680 z^{31}$<br>$+33709946922433944 z^{30} + 45968109350063120 z^{29}$<br>$+55544798468223000 z^{28} + 59817474670593920 z^{27}$<br>$+57681138922936920 z^{26} + 49990315525882848 z^{25}$<br>$+39054941116913700 z^{24} + 27568183986576000 z^{23}$<br>$+17613019027480200 z^{22} + 10196996309269200 z^{21}$<br>$+5353438403513760 z^{20} + 2549241887234400 z^{19}$<br>$+1100821538473800 z^{18} + 430746367716000 z^{17} + 152563025081700 z^{16}$<br>$+48815696971296 z^{15} + 14084017720200 z^{14} + 3650078672240 z^{13}$<br>$+847962583080 z^{12} + 175182410240 z^{11} + 32210790600 z^{10}$<br>$+5165132000 z^9 + 734884950 z^8 + 86982000 z^7 + 9382800 z^6 + 732480 z^5$<br>$+60940 z^4 + 2160 z^3 + 160 z^2 + 1$ | $\left\{ \left[ \frac{80}{3}, \frac{4\sqrt{5}}{3} \right] \right\}$ |
| $\{[40, 3, 37]\}$ | $x^3 + 2x^2 + x + 2$ | $40723119218 z^{40} + 814448389680 z^{39} + 7940934878040 z^{38}$<br>$+50292453498960 z^{37} + 232602670478620 z^{36} + 837369856176336 z^{35}$<br>$+2442328355823000 z^{34} + 5931368544381360 z^{33}$<br>$+12233448959838570 z^{32} + 21748352718705760 z^{31}$<br>$+33709946342352600 z^{30} + 45968108591932560 z^{29}$<br>$+55544800566059640 z^{28} + 59817472772152640 z^{27}$<br>$+57681141052635000 z^{26} + 49990310145041904 z^{25}$<br>$+39054951314337420 z^{24} + 27568170209998080 z^{23}$<br>$+17613035396663880 z^{22} + 10196977272814800 z^{21}$<br>$+5353458986680596 z^{20} + 2549222251664400 z^{19}$   | $\left\{ \left[ \frac{80}{3}, \frac{4\sqrt{5}}{3} \right] \right\}$ |



|                   |                     |   |   |
|-------------------|---------------------|---|---|
|                   |                     | $+1100838279973920 z^{18} + 430733281681440 z^{17} + 152572356789120 z^{16}$<br>$+48809725267680 z^{15} + 14087448377640 z^{14} + 3648296816560 z^{13}$<br>$+848792500560 z^{12} + 174840415200 z^{11} + 32335894968 z^{10}$<br>$+5124398000 z^9 + 746335530 z^8 + 84268560 z^7 + 9950880 z^6 + 629280 z^5$<br>$+73640 z^4 + 960 z^3 + 360 z^2 + 1$   |   |
| $\{[40, 3, 37]\}$ | $x^3 + 2x^2 + 2$    | $40722633766 z^{40} + 814453389840 z^{39} + 7940914707400 z^{38}$<br>$+50292488246640 z^{37} + 232602668796340 z^{36} + 837369786843888 z^{35}$<br>$+2442328359509640 z^{34} + 5931368783057040 z^{33}$<br>$+12233448791155470 z^{32} + 21748352253939680 z^{31}$<br>$+33709946922433944 z^{30} + 45968109350063120 z^{29}$<br>$+55544798468223000 z^{28} + 59817474670593920 z^{27}$<br>$+57681138922936920 z^{26} + 49990315525882848 z^{25}$<br>$+39054941116913700 z^{24} + 27568183986576000 z^{23}$<br>$+17613019027480200 z^{22} + 10196996309269200 z^{21}$<br>$+5353438403513760 z^{20} + 2549241887234400 z^{19}$<br>$+1100821538473800 z^{18} + 430746367716000 z^{17} + 152563025081700 z^{16}$<br>$+48815696971296 z^{15} + 14084017720200 z^{14} + 3650078672240 z^{13}$<br>$+847962583080 z^{12} + 175182410240 z^{11} + 32210790600 z^{10}$<br>$+5165132000 z^9 + 734884950 z^8 + 86982000 z^7 + 9382800 z^6 + 732480 z^5$<br>$+60940 z^4 + 2160 z^3 + 160 z^2 + 1$ | $\left\{ \left[ \frac{80}{3}, \frac{4\sqrt{5}}{3} \right] \right\}$ |
| $\{[40, 3, 37]\}$ | $x^3 + x^2 + x + 1$ | $40723119218 z^{40} + 814448389680 z^{39} + 7940934878040 z^{38}$<br>$+50292453498960 z^{37} + 232602670478620 z^{36} + 837369856176336 z^{35}$<br>$+2442328355823000 z^{34} + 5931368544381360 z^{33}$<br>$+12233448959838570 z^{32} + 21748352718705760 z^{31}$<br>$+33709946342352600 z^{30} + 45968108591932560 z^{29}$<br>$+55544800566059640 z^{28} + 59817472772152640 z^{27}$<br>$+57681141052635000 z^{26} + 49990310145041904 z^{25}$<br>$+39054951314337420 z^{24} + 27568170209998080 z^{23}$<br>$+17613035396663880 z^{22} + 10196977272814800 z^{21}$<br>$+5353458986680596 z^{20} + 2549222251664400 z^{19}$<br>$+1100838279973920 z^{18} + 430733281681440 z^{17} + 152572356789120 z^{16}$   | $\left\{ \left[ \frac{80}{3}, \frac{4\sqrt{5}}{3} \right] \right\}$ |

|                   |                 |   |   |
|-------------------|-----------------|---|---|
|                   |                 | $+48809725267680 z^{15} + 14087448377640 z^{14} + 3648296816560 z^{13}$<br>$+ 848792500560 z^{12} + 174840415200 z^{11} + 32335894968 z^{10}$<br>$+ 5124398000 z^9 + 746335530 z^8 + 84268560 z^7 + 9950880 z^6 + 629280 z^5$<br>$+ 73640 z^4 + 960 z^3 + 360 z^2 + 1$  |   |
| $\{[40, 3, 37]\}$ | $x^3 + x^2 + 1$ | $40722633766 z^{40} + 814453389840 z^{39} + 7940914707400 z^{38}$<br>$+ 50292488246640 z^{37} + 232602668796340 z^{36} + 837369786843888 z^{35}$<br>$+ 2442328359509640 z^{34} + 5931368783057040 z^{33}$<br>$+ 12233448791155470 z^{32} + 21748352253939680 z^{31}$<br>$+ 33709946922433944 z^{30} + 45968109350063120 z^{29}$<br>$+ 55544798468223000 z^{28} + 59817474670593920 z^{27}$<br>$+ 57681138922936920 z^{26} + 49990315525882848 z^{25}$<br>$+ 39054941116913700 z^{24} + 27568183986576000 z^{23}$<br>$+ 17613019027480200 z^{22} + 10196996309269200 z^{21}$<br>$+ 5353438403513760 z^{20} + 2549241887234400 z^{19}$<br>$+ 1100821538473800 z^{18} + 430746367716000 z^{17} + 152563025081700 z^{16}$<br>$+ 48815696971296 z^{15} + 14084017720200 z^{14} + 3650078672240 z^{13}$<br>$+ 847962583080 z^{12} + 175182410240 z^{11} + 32210790600 z^{10}$<br>$+ 5165132000 z^9 + 734884950 z^8 + 86982000 z^7 + 9382800 z^6 + 732480 z^5$<br>$+ 60940 z^4 + 2160 z^3 + 160 z^2 + 1$ | $\left\{ \left[ \frac{80}{3}, \frac{4\sqrt{5}}{3} \right] \right\}$ |
| $\{[42, 3, 39]\}$ | $x^3 + 2$       | $162950271128 z^{42} + 3420702689040 z^{41} + 35061579271992 z^{40}$<br>$+ 233747809853376 z^{39} + 1139524723624560 z^{38}$<br>$+ 4330184143705056 z^{37} + 13351386528254320 z^{36}$<br>$+ 34332149537509824 z^{35} + 75101613667680600 z^{34}$<br>$+ 141858598477579984 z^{33} + 234066630210973560 z^{32}$<br>$+ 340460531061705600 z^{31} + 439761581826503664 z^{30}$<br>$+ 507417249847046448 z^{29} + 525539288416184964 z^{28}$<br>$+ 490503228923520176 z^{27} + 413862166479611304 z^{26}$<br>$+ 316482764707916352 z^{25} + 219779880826413180 z^{24}$<br>$+ 138808132391728800 z^{23} + 79814882979992160 z^{22}$<br>$+ 41807553251864400 z^{21} + 19953841718849220 z^{20}$<br>$+ 8675390669072400 z^{19} + 3434165570766840 z^{18}$  | $\left\{ \left[ 28, \frac{2\sqrt{21}}{3} \right] \right\}$          |

|                   |                       |   |  |
|-------------------|-----------------------|---|--|
|                   |                       | $+1236183996089952 z^{17} + 404210041499628 z^{16} + 119722310924944 z^{15}$<br>$+ 32092357143762 z^{14} + 7735226301348 z^{13} + 1680864337698 z^{12}$<br>$+ 323389826760 z^{11} + 56220934770 z^{10} + 8318324924 z^9 + 1154781810 z^8$<br>$+ 120871296 z^7 + 14375270 z^6 + 855036 z^5 + 117390 z^4 + 2184 z^3 + 546 z^2 + 1$  |  |
| $\{[42, 3, 39]\}$ | $x^3 + 1$             | $162950271128 z^{42} + 3420702689040 z^{41} + 35061579271992 z^{40}$<br>$+ 233747809853376 z^{39} + 1139524723624560 z^{38}$<br>$+ 4330184143705056 z^{37} + 13351386528254320 z^{36}$<br>$+ 34332149537509824 z^{35} + 75101613667680600 z^{34}$<br>$+ 141858598477579984 z^{33} + 234066630210973560 z^{32}$<br>$+ 340460531061705600 z^{31} + 439761581826503664 z^{30}$<br>$+ 507417249847046448 z^{29} + 525539288416184964 z^{28}$<br>$+ 490503228923520176 z^{27} + 413862166479611304 z^{26}$<br>$+ 316482764707916352 z^{25} + 219779880826413180 z^{24}$<br>$+ 138808132391728800 z^{23} + 79814882979992160 z^{22}$<br>$+ 41807553251864400 z^{21} + 19953841718849220 z^{20}$<br>$+ 8675390669072400 z^{19} + 3434165570766840 z^{18}$<br>$+ 1236183996089952 z^{17} + 404210041499628 z^{16} + 119722310924944 z^{15}$<br>$+ 32092357143762 z^{14} + 7735226301348 z^{13} + 1680864337698 z^{12}$<br>$+ 323389826760 z^{11} + 56220934770 z^{10} + 8318324924 z^9 + 1154781810 z^8$<br>$+ 120871296 z^7 + 14375270 z^6 + 855036 z^5 + 117390 z^4 + 2184 z^3 + 546 z^2 + 1$ | $\left\{ \left[ 28, \frac{2\sqrt{21}}{3} \right] \right\}$ |
| $\{[42, 3, 39]\}$ | $x^3 + 2x^2 + 2x + 1$ | $162890311756 z^{42} + 3420705874824 z^{41} + 35062193317788 z^{40}$<br>$+ 233748033220576 z^{39} + 1139521710535992 z^{38}$<br>$+ 4330181944973808 z^{37} + 13351395527356600 z^{36}$<br>$+ 34332158791641312 z^{35} + 75101597490662316 z^{34}$<br>$+ 141858573697609832 z^{33} + 234066646113060348 z^{32}$<br>$+ 340460576250725952 z^{31} + 439761578792834984 z^{30}$<br>$+ 507417200382511944 z^{29} + 525539257669529478 z^{28}$<br>$+ 490503283291502600 z^{27} + 413862180753034188 z^{26}$<br>$+ 316482790041089280 z^{25} + 219779793872801610 z^{24}$<br>$+ 138808190008288080 z^{23} + 79814823973390296 z^{22}$<br>$+ 41807645894721732 z^{21} + 19953762997745682 z^{20}$   | $\left\{ \left[ 28, \frac{2\sqrt{21}}{3} \right] \right\}$ |

|                   |                      |   |  |
|-------------------|----------------------|---|--|
|                   |                      | $+8675449739162640 z^{19} + 3434110904503860 z^{18}$<br>$+1236223331473788 z^{17} + 404186921145126 z^{16} + 119737168435136 z^{15}$<br>$+32084199242424 z^{14} + 7738788467088 z^{13} + 1679197295930 z^{12}$<br>$+324055242504 z^{11} + 56023302888 z^{10} + 8389192784 z^9 + 1136676618 z^8$<br>$+123926544 z^7 + 13202896 z^6 + 879732 z^5 + 83286 z^4 + 1792 z^3 + 252 z^2 + 1$  |  |
| $\{[42, 3, 39]\}$ | $x^3 + x^2 + 2x + 2$ | $162890311756 z^{42} + 3420705874824 z^{41} + 35062193317788 z^{40}$<br>$+233748033220576 z^{39} + 1139521710535992 z^{38}$<br>$+4330181944973808 z^{37} + 13351395527356600 z^{36}$<br>$+34332158791641312 z^{35} + 75101597490662316 z^{34}$<br>$+141858573697609832 z^{33} + 234066646113060348 z^{32}$<br>$+340460576250725952 z^{31} + 439761578792834984 z^{30}$<br>$+507417200382511944 z^{29} + 525539257669529478 z^{28}$<br>$+490503283291502600 z^{27} + 413862180753034188 z^{26}$<br>$+316482790041089280 z^{25} + 219779793872801610 z^{24}$<br>$+138808190008288080 z^{23} + 79814823973390296 z^{22}$<br>$+41807645894721732 z^{21} + 19953762997745682 z^{20}$<br>$+8675449739162640 z^{19} + 3434110904503860 z^{18}$<br>$+1236223331473788 z^{17} + 404186921145126 z^{16} + 119737168435136 z^{15}$<br>$+32084199242424 z^{14} + 7738788467088 z^{13} + 1679197295930 z^{12}$<br>$+324055242504 z^{11} + 56023302888 z^{10} + 8389192784 z^9 + 1136676618 z^8$<br>$+123926544 z^7 + 13202896 z^6 + 879732 z^5 + 83286 z^4 + 1792 z^3 + 252 z^2 + 1$ | $\left\{ \left[ 28, \frac{2\sqrt{21}}{3} \right] \right\}$           |
| $\{[44, 3, 41]\}$ | $x^3 + 2x^2 + x + 2$ | $651564309618 z^{44} + 14334353325160 z^{43} + 154094605430084 z^{42}$<br>$+1078661487771208 z^{41} + 5528140723971998 z^{40}$<br>$+22112564249732880 z^{39} + 71865830165272088 z^{38}$<br>$+195064397649868560 z^{37} + 451086423964926838 z^{36}$<br>$+902172845333382216 z^{35} + 1578802469199718532 z^{34}$<br>$+2439967465268458048 z^{33} + 3354955273907726258 z^{32}$<br>$+4129175687775358528 z^{31} + 4571587411924668960 z^{30}$<br>$+4571587344836782336 z^{29} + 4143001168487126484 z^{28}$<br>$+3411883077966503888 z^{27} + 2558912651775142344 z^{26}$<br>$+1750834511034577584 z^{25} + 1094272154718769884 z^{24}$   | $\left\{ \left[ \frac{88}{3}, \frac{2\sqrt{22}}{3} \right] \right\}$ |

|                   |                     |  |  |
|-------------------|---------------------|--|--|
|                   |                     | $+625297698047345136 z^{23} + 326860863595332132 z^{22}$<br>$+156324092021476632 z^{21} + 68392376411140056 z^{20}$<br>$+27356480348213808 z^{19} + 9995980388204580 z^{18}$<br>$+3331764865497816 z^{17} + 1011567546000440 z^{16}$<br>$+278976414180640 z^{15} + 69782400842792 z^{14} + 15740029562224 z^{13}$<br>$+3204230315154 z^{12} + 580027480648 z^{11} + 94653796908 z^{10}$<br>$+13285965176 z^9 + 1719980526 z^8 + 173182240 z^7 + 18294716 z^6$<br>$+1039720 z^5 + 109802 z^4 + 1320 z^3 + 440 z^2 + 1$  |  |
| $\{[44, 3, 41]\}$ | $x^3 + x^2 + x + 1$ | $651564309618 z^{44} + 14334353325160 z^{43} + 154094605430084 z^{42}$<br>$+1078661487771208 z^{41} + 5528140723971998 z^{40}$<br>$+22112564249732880 z^{39} + 71865830165272088 z^{38}$<br>$+195064397649868560 z^{37} + 451086423964926838 z^{36}$<br>$+902172845333382216 z^{35} + 1578802469199718532 z^{34}$<br>$+2439967465268458048 z^{33} + 3354955273907726258 z^{32}$<br>$+4129175687775358528 z^{31} + 4571587411924668960 z^{30}$<br>$+4571587344836782336 z^{29} + 4143001168487126484 z^{28}$<br>$+3411883077966503888 z^{27} + 2558912651775142344 z^{26}$<br>$+1750834511034577584 z^{25} + 1094272154718769884 z^{24}$<br>$+625297698047345136 z^{23} + 326860863595332132 z^{22}$<br>$+156324092021476632 z^{21} + 68392376411140056 z^{20}$<br>$+27356480348213808 z^{19} + 9995980388204580 z^{18}$<br>$+3331764865497816 z^{17} + 1011567546000440 z^{16}$<br>$+278976414180640 z^{15} + 69782400842792 z^{14} + 15740029562224 z^{13}$<br>$+3204230315154 z^{12} + 580027480648 z^{11} + 94653796908 z^{10}$<br>$+13285965176 z^9 + 1719980526 z^8 + 173182240 z^7 + 18294716 z^6$<br>$+1039720 z^5 + 109802 z^4 + 1320 z^3 + 440 z^2 + 1$ | $\left\{ \left[ \frac{88}{3}, \frac{2\sqrt{22}}{3} \right] \right\}$ |
|                   |                     | $1302886297448 z^{45} + 29320309746360 z^{44} + 322526098609200 z^{43}$<br>$+2311418650036560 z^{42} + 12134929337327160 z^{41}$<br>$+49753257956117352 z^{40} + 165844270465779360 z^{39}$<br>$+461994673038369120 z^{38} + 1097237155118715000 z^{37}$<br>$+2255431974005823080 z^{36} + 4059777893872676976 z^{35}$   |  |

|                   |         |   |   |
|-------------------|---------|---|---|
| $\{[45, 3, 42]\}$ | $x^3+2$ | $+6458737676932915920 z^{34} + 9149877953088567240 z^{33}$<br>$+11613306332409755400 z^{32} + 13272350303077693560 z^{31}$<br>$+13714762592282158788 z^{30} + 12857589624609246240 z^{29}$<br>$+10966767724967748300 z^{28} + 8529707280596432840 z^{27}$<br>$+6060582751601900340 z^{26} + 3939377591516985072 z^{25}$<br>$+2344869288050456700 z^{24} + 1279017666536196600 z^{23}$<br>$+639510608235294900 z^{22} + 293107376172592800 z^{21}$<br>$+123106541963320188 z^{20} + 47347594781959080 z^{19}$<br>$+16660093171157380 z^{18} + 5354532612770040 z^{17}$<br>$+1569718384428060 z^{16} + 418439761434246 z^{15} + 101310547469130 z^{14}$<br>$+22129380892710 z^{13} + 4371480490650 z^{12} + 766838880990 z^{11}$<br>$+121896570978 z^{10} + 16537161550 z^9 + 2110830930 z^8 + 203759010 z^7$<br>$+22395030 z^6 + 1236690 z^5 + 156870 z^4 + 2730 z^3 + 630 z^2 + 1$  | $\{[30, \sqrt{10}]\}$                                     |
| $\{[48, 3, 45]\}$ | $x^3+2$ | $10425953603736 z^{48} + 250199978599296 z^{47} + 2939838311374272 z^{46}$<br>$+22538844262556288 z^{45} + 126781085447785440 z^{44}$<br>$+557836533382485888 z^{43} + 1998913877960147520 z^{42}$<br>$+5996742052343313024 z^{41} + 15366652576546884912 z^{40}$<br>$+34148116495612030080 z^{39} + 66588825127098021696 z^{38}$<br>$+115017061109551795584 z^{37} + 177317971893464466272 z^{36}$<br>$+245517193757226254976 z^{35} + 306896490246526770240 z^{34}$<br>$+347816018507356134912 z^{33} + 358685270651834734284 z^{32}$<br>$+337586138454325087872 z^{31} + 290699179149669903168 z^{30}$<br>$+229499344921606427520 z^{29} + 166387030751382611616 z^{28}$<br>$+110924677602007987328 z^{27} + 68067429228591638976 z^{26}$<br>$+38472881456594662272 z^{25} + 20037972980402816400 z^{24}$<br>$+9618212844944166528 z^{23} + 4254221685350140992 z^{22}$<br>$+1733191675254926208 z^{21} + 649954403932202208 z^{20}$<br>$+224117065615294080 z^{19} + 70973618011806016 z^{18}$<br>$+20603343678080256 z^{17} + 5473768025686194 z^{16}$<br>$+1326493008597216 z^{15} + 292824880902000 z^{14} + 58479108423840 z^{13}$<br>$+10589304263928 z^{12} + 1706967875808 z^{11} + 249939610128 z^{10}$ | $\left\{ \left[ 32, \frac{4\sqrt{6}}{3} \right] \right\}$ |

|                   |           |  |   |
|-------------------|-----------|--|---|
|                   |           | $+31308149920 z^9 + 3698426700 z^8 + 331259040 z^7 + 33840528 z^6$<br>$+1743840 z^5 + 205560 z^4 + 3360 z^3 + 720 z^2 + 1$   |   |
| $\{[48, 3, 45]\}$ | $x^3 + 1$ | $10425953603736 z^{48} + 250199978599296 z^{47} + 2939838311374272 z^{46}$<br>$+ 22538844262556288 z^{45} + 126781085447785440 z^{44}$<br>$+ 557836533382485888 z^{43} + 1998913877960147520 z^{42}$<br>$+ 5996742052343313024 z^{41} + 15366652576546884912 z^{40}$<br>$+ 34148116495612030080 z^{39} + 66588825127098021696 z^{38}$<br>$+ 115017061109551795584 z^{37} + 177317971893464466272 z^{36}$<br>$+ 245517193757226254976 z^{35} + 306896490246526770240 z^{34}$<br>$+ 347816018507356134912 z^{33} + 358685270651834734284 z^{32}$<br>$+ 337586138454325087872 z^{31} + 290699179149669903168 z^{30}$<br>$+ 229499344921606427520 z^{29} + 166387030751382611616 z^{28}$<br>$+ 110924677602007987328 z^{27} + 68067429228591638976 z^{26}$<br>$+ 38472881456594662272 z^{25} + 20037972980402816400 z^{24}$<br>$+ 9618212844944166528 z^{23} + 4254221685350140992 z^{22}$<br>$+ 1733191675254926208 z^{21} + 649954403932202208 z^{20}$<br>$+ 224117065615294080 z^{19} + 70973618011806016 z^{18}$<br>$+ 20603343678080256 z^{17} + 5473768025686194 z^{16}$<br>$+ 1326493008597216 z^{15} + 292824880902000 z^{14} + 58479108423840 z^{13}$<br>$+ 10589304263928 z^{12} + 1706967875808 z^{11} + 249939610128 z^{10}$<br>$+ 31308149920 z^9 + 3698426700 z^8 + 331259040 z^7 + 33840528 z^6$<br>$+ 1743840 z^5 + 205560 z^4 + 3360 z^3 + 720 z^2 + 1$ | $\left\{ \left[ 32, \frac{4\sqrt{6}}{3} \right] \right\}$ |
|                   |           | $10424999293990 z^{48} + 250199975999712 z^{47} + 2939849788852080 z^{46}$<br>$+ 22538847945423008 z^{45} + 126781021511076600 z^{44}$<br>$+ 557836489288541664 z^{43} + 1998914097797769360 z^{42}$<br>$+ 5996742277707637920 z^{41} + 15366652098798846924 z^{40}$<br>$+ 34148115774995844640 z^{39} + 66588825756732218256 z^{38}$<br>$+ 115017062651080638624 z^{37} + 177317971651697443760 z^{36}$<br>$+ 245517191433353777472 z^{35} + 306896489346183782400 z^{34}$<br>$+ 347816021219027495232 z^{33} + 358685272040538873618 z^{32}$<br>$+ 337586137933103027712 z^{31} + 290699175207797884624 z^{30}$  |   |

|                   |           |   |   |
|-------------------|-----------|---|---|
| $\{[48, 3, 45]\}$ | $x^3+x+2$ | $+229499347505506583520 z^{29} + 166387028802242796576 z^{28}$<br>$+110924683421685846848 z^{27} + 68067422396742136464 z^{26}$<br>$+38472887475058164768 z^{25} + 20037965818222315800 z^{24}$<br>$+9618220151937349632 z^{23} + 4254215800595038416 z^{22}$<br>$+1733196550613030624 z^{21} + 649950566483263056 z^{20}$<br>$+224119602802085760 z^{19} + 70972019411642800 z^{18}$<br>$+20604308174008416 z^{17} + 5473270060147098 z^{16}$<br>$+1326731851447584 z^{15} + 292714986096000 z^{14} + 58521576045312 z^{13}$<br>$+10574142972008 z^{12} + 1712211315936 z^{11} + 248546405664 z^{10}$<br>$+31679177920 z^9 + 3605811804 z^8 + 343551456 z^7 + 29998560 z^6$<br>$+1905408 z^5 + 129600 z^4 + 3776 z^3 + 240 z^2 + 1$  | $\left\{ \left[ 32, \frac{4\sqrt{6}}{3} \right] \right\}$ |
| $\{[48, 3, 45]\}$ | $x^3+x+1$ | $10424999293990 z^{48} + 250199975999712 z^{47} + 2939849788852080 z^{46}$<br>$+22538847945423008 z^{45} + 126781021511076600 z^{44}$<br>$+557836489288541664 z^{43} + 1998914097797769360 z^{42}$<br>$+5996742277707637920 z^{41} + 15366652098798846924 z^{40}$<br>$+34148115774995844640 z^{39} + 66588825756732218256 z^{38}$<br>$+115017062651080638624 z^{37} + 177317971651697443760 z^{36}$<br>$+245517191433353777472 z^{35} + 306896489346183782400 z^{34}$<br>$+347816021219027495232 z^{33} + 358685272040538873618 z^{32}$<br>$+337586137933103027712 z^{31} + 290699175207797884624 z^{30}$<br>$+229499347505506583520 z^{29} + 166387028802242796576 z^{28}$<br>$+110924683421685846848 z^{27} + 68067422396742136464 z^{26}$<br>$+38472887475058164768 z^{25} + 20037965818222315800 z^{24}$<br>$+9618220151937349632 z^{23} + 4254215800595038416 z^{22}$<br>$+1733196550613030624 z^{21} + 649950566483263056 z^{20}$<br>$+224119602802085760 z^{19} + 70972019411642800 z^{18}$<br>$+20604308174008416 z^{17} + 5473270060147098 z^{16}$<br>$+1326731851447584 z^{15} + 292714986096000 z^{14} + 58521576045312 z^{13}$<br>$+10574142972008 z^{12} + 1712211315936 z^{11} + 248546405664 z^{10}$<br>$+31679177920 z^9 + 3605811804 z^8 + 343551456 z^7 + 29998560 z^6$<br>$+1905408 z^5 + 129600 z^4 + 3776 z^3 + 240 z^2 + 1$ | $\left\{ \left[ 32, \frac{4\sqrt{6}}{3} \right] \right\}$ |



|                 |                      |  |   |
|-----------------|----------------------|--|---|
| { [48, 3, 45] } | $x^3 + 2x^2 + x + 2$ | $ \begin{aligned} &10425006595186 z^{48} + 250199889783456 z^{47} + 2939850182301264 z^{46} \\ &+ 22538847272856032 z^{45} + 126781020598145256 z^{44} \\ &+ 557836495436788128 z^{43} + 1998914088556186032 z^{42} \\ &+ 5996742274849496544 z^{41} + 15366652123377983076 z^{40} \\ &+ 34148115756333233248 z^{39} + 66588825732777259824 z^{38} \\ &+ 115017062685843825504 z^{37} + 177317971679462682080 z^{36} \\ &+ 245517191358051067776 z^{35} + 306896489398566921312 z^{34} \\ &+ 347816021115082781184 z^{33} + 358685272396336533318 z^{32} \\ &+ 337586137231401596736 z^{31} + 290699176278507155104 z^{30} \\ &+ 229499345870779005120 z^{29} + 166387031278306909488 z^{28} \\ &+ 110924680056613666496 z^{27} + 68067426465774804960 z^{26} \\ &+ 38472882924821612544 z^{25} + 20037970584588832956 z^{24} \\ &+ 9618215548124395872 z^{23} + 4254219864084353328 z^{22} \\ &+ 1733193251745085856 z^{21} + 649953043301442408 z^{20} \\ &+ 224117890586678880 z^{19} + 70973103057846352 z^{18} \\ &+ 20603680018875360 z^{17} + 5473603992767130 z^{16} \\ &+ 1326569738199648 z^{15} + 292786442355888 z^{14} + 58493019831840 z^{13} \\ &+ 10584470021144 z^{12} + 1708861257312 z^{11} + 249513610896 z^{10} \\ &+ 31430649184 z^9 + 3661989408 z^8 + 332716032 z^7 + 31798272 z^6 \\ &+ 1641024 z^5 + 157896 z^4 + 1760 z^3 + 528 z^2 + 1 \end{aligned} $ | $\left\{ \left[ 32, \frac{4\sqrt{6}}{3} \right] \right\}$ |
| { [48, 3, 45] } | $x^3 + 2x^2 + 2$     | $ \begin{aligned} &10424999293990 z^{48} + 250199975999712 z^{47} + 2939849788852080 z^{46} \\ &+ 22538847945423008 z^{45} + 126781021511076600 z^{44} \\ &+ 557836489288541664 z^{43} + 1998914097797769360 z^{42} \\ &+ 5996742277707637920 z^{41} + 15366652098798846924 z^{40} \\ &+ 34148115774995844640 z^{39} + 66588825756732218256 z^{38} \\ &+ 115017062651080638624 z^{37} + 177317971651697443760 z^{36} \\ &+ 245517191433353777472 z^{35} + 306896489346183782400 z^{34} \\ &+ 347816021219027495232 z^{33} + 358685272040538873618 z^{32} \\ &+ 337586137933103027712 z^{31} + 290699175207797884624 z^{30} \\ &+ 229499347505506583520 z^{29} + 166387028802242796576 z^{28} \\ &+ 110924683421685846848 z^{27} + 68067422396742136464 z^{26} \end{aligned} $  | $\left\{ \left[ 32, \frac{4\sqrt{6}}{3} \right] \right\}$ |

|                   |                       |   |   |
|-------------------|-----------------------|---|---|
|                   |                       | $+38472887475058164768 z^{25} + 20037965818222315800 z^{24}$<br>$+9618220151937349632 z^{23} + 4254215800595038416 z^{22}$<br>$+1733196550613030624 z^{21} + 649950566483263056 z^{20}$<br>$+224119602802085760 z^{19} + 70972019411642800 z^{18}$<br>$+20604308174008416 z^{17} + 5473270060147098 z^{16}$<br>$+1326731851447584 z^{15} + 292714986096000 z^{14} + 58521576045312 z^{13}$<br>$+10574142972008 z^{12} + 1712211315936 z^{11} + 248546405664 z^{10}$<br>$+31679177920 z^9 + 3605811804 z^8 + 343551456 z^7 + 29998560 z^6$<br>$+1905408 z^5 + 129600 z^4 + 3776 z^3 + 240 z^2 + 1$   |   |
| $\{[48, 3, 45]\}$ | $x^3 + 2x^2 + 2x + 1$ | $10425001666636 z^{48} + 250199948423616 z^{47} + 2939849910226656 z^{46}$<br>$+22538847767064896 z^{45} + 126781021090498032 z^{44}$<br>$+557836491392404416 z^{43} + 1998914095431377184 z^{42}$<br>$+5996742274020702528 z^{41} + 15366652111408324248 z^{40}$<br>$+34148115768765691456 z^{39} + 66588825732600677280 z^{38}$<br>$+115017062699679862464 z^{37} + 177317971623580471472 z^{36}$<br>$+245517191404874028864 z^{35} + 306896489429155514784 z^{34}$<br>$+347816021088272620416 z^{33} + 358685272234014005322 z^{32}$<br>$+337586137641184547520 z^{31} + 290699175687623536480 z^{30}$<br>$+229499346685655146560 z^{29} + 166387030072603311024 z^{28}$<br>$+110924681723345311424 z^{27} + 68067424425874661856 z^{26}$<br>$+38472885208101179520 z^{25} + 20037968199214850052 z^{24}$<br>$+9618217848391351968 z^{23} + 4254217834003565904 z^{22}$<br>$+1733194901225823200 z^{21} + 649951804076215080 z^{20}$<br>$+224118746802925920 z^{19} + 70972561640456080 z^{18}$<br>$+20603993990130144 z^{17} + 5473436867829612 z^{16}$<br>$+1326650857219392 z^{15} + 292750755395616 z^{14} + 58507275902400 z^{13}$<br>$+10579299990320 z^{12} + 1710541119936 z^{11} + 249030490464 z^{10}$<br>$+31554262528 z^9 + 3633924852 z^8 + 338181984 z^7 + 30888624 z^6$<br>$+1772064 z^5 + 144792 z^4 + 2720 z^3 + 336 z^2 + 1$ | $\left\{ \left[ 32, \frac{4\sqrt{6}}{3} \right] \right\}$ |
|                   |                       | $10425006595186 z^{48} + 250199889783456 z^{47} + 2939850182301264 z^{46}$<br>$+22538847272856032 z^{45} + 126781020598145256 z^{44}$   |   |

|                   |               |   |   |
|-------------------|---------------|---|---|
| $\{[48, 3, 45]\}$ | $x^3+x^2+x+1$ | $ \begin{aligned} &+557836495436788128 z^{43}+1998914088556186032 z^{42} \\ &+5996742274849496544 z^{41}+15366652123377983076 z^{40} \\ &+3414811575633323248 z^{39}+66588825732777259824 z^{38} \\ &+115017062685843825504 z^{37}+177317971679462682080 z^{36} \\ &+245517191358051067776 z^{35}+306896489398566921312 z^{34} \\ &+347816021115082781184 z^{33}+358685272396336533318 z^{32} \\ &+337586137231401596736 z^{31}+290699176278507155104 z^{30} \\ &+229499345870779005120 z^{29}+166387031278306909488 z^{28} \\ &+110924680056613666496 z^{27}+68067426465774804960 z^{26} \\ &+38472882924821612544 z^{25}+20037970584588832956 z^{24} \\ &+9618215548124395872 z^{23}+4254219864084353328 z^{22} \\ &+1733193251745085856 z^{21}+649953043301442408 z^{20} \\ &+224117890586678880 z^{19}+70973103057846352 z^{18} \\ &+20603680018875360 z^{17}+5473603992767130 z^{16} \\ &+1326569738199648 z^{15}+292786442355888 z^{14}+58493019831840 z^{13} \\ &+10584470021144 z^{12}+1708861257312 z^{11}+249513610896 z^{10} \\ &+31430649184 z^9+3661989408 z^8+332716032 z^7+31798272 z^6 \\ &+1641024 z^5+157896 z^4+1760 z^3+528 z^2+1 \end{aligned} $ | $\left\{\left[32, \frac{4\sqrt{6}}{3}\right]\right\}$ |
| $\{[48, 3, 45]\}$ | $x^3+x^2+1$   | $ \begin{aligned} &10424999293990 z^{48}+250199975999712 z^{47}+2939849788852080 z^{46} \\ &+22538847945423008 z^{45}+126781021511076600 z^{44} \\ &+557836489288541664 z^{43}+1998914097797769360 z^{42} \\ &+5996742277707637920 z^{41}+15366652098798846924 z^{40} \\ &+34148115774995844640 z^{39}+66588825756732218256 z^{38} \\ &+115017062651080638624 z^{37}+177317971651697443760 z^{36} \\ &+245517191433353777472 z^{35}+306896489346183782400 z^{34} \\ &+347816021219027495232 z^{33}+358685272040538873618 z^{32} \\ &+337586137933103027712 z^{31}+290699175207797884624 z^{30} \\ &+229499347505506583520 z^{29}+166387028802242796576 z^{28} \\ &+110924683421685846848 z^{27}+68067422396742136464 z^{26} \\ &+38472887475058164768 z^{25}+20037965818222315800 z^{24} \\ &+9618220151937349632 z^{23}+4254215800595038416 z^{22} \end{aligned} $   | $\left\{\left[32, \frac{4\sqrt{6}}{3}\right]\right\}$ |

|                   |                      |   |   |
|-------------------|----------------------|---|---|
|                   |                      | $+1733196550613030624 z^{21} + 649950566483263056 z^{20}$<br>$+224119602802085760 z^{19} + 70972019411642800 z^{18}$<br>$+20604308174008416 z^{17} + 5473270060147098 z^{16}$<br>$+1326731851447584 z^{15} + 292714986096000 z^{14} + 58521576045312 z^{13}$<br>$+10574142972008 z^{12} + 1712211315936 z^{11} + 248546405664 z^{10}$<br>$+31679177920 z^9 + 3605811804 z^8 + 343551456 z^7 + 29998560 z^6$<br>$+1905408 z^5 + 129600 z^4 + 3776 z^3 + 240 z^2 + 1$   |   |
| $\{[48, 3, 45]\}$ | $x^3 + x^2 + 2x + 2$ | $10425001666636 z^{48} + 250199948423616 z^{47} + 2939849910226656 z^{46}$<br>$+22538847767064896 z^{45} + 126781021090498032 z^{44}$<br>$+557836491392404416 z^{43} + 1998914095431377184 z^{42}$<br>$+5996742274020702528 z^{41} + 15366652111408324248 z^{40}$<br>$+34148115768765691456 z^{39} + 66588825732600677280 z^{38}$<br>$+115017062699679862464 z^{37} + 177317971623580471472 z^{36}$<br>$+245517191404874028864 z^{35} + 306896489429155514784 z^{34}$<br>$+347816021088272620416 z^{33} + 358685272234014005322 z^{32}$<br>$+337586137641184547520 z^{31} + 290699175687623536480 z^{30}$<br>$+229499346685655146560 z^{29} + 166387030072603311024 z^{28}$<br>$+110924681723345311424 z^{27} + 68067424425874661856 z^{26}$<br>$+38472885208101179520 z^{25} + 20037968199214850052 z^{24}$<br>$+9618217848391351968 z^{23} + 4254217834003565904 z^{22}$<br>$+1733194901225823200 z^{21} + 649951804076215080 z^{20}$<br>$+224118746802925920 z^{19} + 70972561640456080 z^{18}$<br>$+20603993990130144 z^{17} + 5473436867829612 z^{16}$<br>$+1326650857219392 z^{15} + 292750755395616 z^{14} + 58507275902400 z^{13}$<br>$+10579299990320 z^{12} + 1710541119936 z^{11} + 249030490464 z^{10}$<br>$+31554262528 z^9 + 3633924852 z^8 + 338181984 z^7 + 30888624 z^6$<br>$+1772064 z^5 + 144792 z^4 + 2720 z^3 + 336 z^2 + 1$ | $\left\{ \left[ 32, \frac{4\sqrt{6}}{3} \right] \right\}$ |