

{[n,q,k]}	Generator Polynomial	Weight Numerator	{Avg Wt,Std}
{[4, 2, 0]}	0	$\frac{1}{16} z^4 + \frac{1}{4} z^3 + \frac{3}{8} z^2 + \frac{1}{4} z + \frac{1}{16}$	{[2, 1]}
{[5, 2, 1]}	$x^4 + x^3 + x^2 + x + 1$	$z^5 + 1$	$\left\{ \left[\frac{5}{2}, \frac{5}{2} \right] \right\}$
{[6, 2, 2]}	$x^4 + x^2 + 1$	$z^6 + 2 z^3 + 1$	$\left\{ \left[3, \frac{3\sqrt{2}}{2} \right] \right\}$
{[6, 2, 2]}	$x^4 + x^3 + x + 1$	$3 z^4 + 1$	$\{[3, \sqrt{3}]\}$
{[7, 2, 3]}	$x^4 + x^2 + x + 1$	$7 z^4 + 1$	$\left\{ \left[\frac{7}{2}, \frac{\sqrt{7}}{2} \right] \right\}$
{[7, 2, 3]}	$x^4 + x^3 + x^2 + 1$	$7 z^4 + 1$	$\left\{ \left[\frac{7}{2}, \frac{\sqrt{7}}{2} \right] \right\}$
{[8, 2, 4]}	$x^4 + 1$	$z^8 + 4 z^6 + 6 z^4 + 4 z^2 + 1$	{[4, 2]}
{[10, 2, 6]}	$x^4 + x^3 + x^2 + x + 1$	$z^{10} + 5 z^8 + 10 z^6 + 32 z^5 + 10 z^4 + 5 z^2 + 1$	$\left\{ \left[5, \frac{\sqrt{10}}{2} \right] \right\}$
{[12, 2, 8]}	$x^4 + 1$	$81 z^8 + 108 z^6 + 54 z^4 + 12 z^2 + 1$	$\{[6, \sqrt{3}]\}$
{[12, 2, 8]}	$x^4 + x^2 + 1$	$z^{12} + 6 z^{10} + 16 z^9 + 15 z^8 + 48 z^7 + 84 z^6 + 48 z^5 + 15 z^4 + 16 z^3 + 6 z^2 + 1$	$\{[6, \sqrt{3}]\}$
{[12, 2, 8]}	$x^4 + x^3 + x + 1$	$z^{12} + 6 z^{10} + 63 z^8 + 116 z^6 + 63 z^4 + 6 z^2 + 1$	$\{[6, \sqrt{3}]\}$
{[14, 2, 10]}	$x^4 + x^2 + x + 1$	$z^{14} + 7 z^{12} + 133 z^{10} + 371 z^8 + 371 z^6 + 133 z^4 + 7 z^2 + 1$	$\left\{ \left[7, \frac{\sqrt{14}}{2} \right] \right\}$
{[14, 2, 10]}	$x^4 + x^3 + x^2 + 1$	$z^{14} + 7 z^{12} + 133 z^{10} + 371 z^8 + 371 z^6 + 133 z^4 + 7 z^2 + 1$	$\left\{ \left[7, \frac{\sqrt{14}}{2} \right] \right\}$
{[15, 2, 11]}	$x^4 + x + 1$	$z^{15} + 35 z^{12} + 105 z^{11} + 168 z^{10} + 280 z^9 + 435 z^8 + 435 z^7 + 280 z^6 + 168 z^5 + 105 z^4 + 35 z^3 + 1$	$\left\{ \left[\frac{15}{2}, \frac{\sqrt{15}}{2} \right] \right\}$
{[15, 2, 11]}	$x^4 + x^3 + x^2 + x + 1$	$z^{15} + 15 z^{13} + 90 z^{11} + 243 z^{10} + 270 z^9 + 405 z^8 + 405 z^7 + 270 z^6 + 243 z^5 + 90 z^4 + 15 z^2 + 1$	$\left\{ \left[\frac{15}{2}, \frac{\sqrt{15}}{2} \right] \right\}$

$\{[15, 2, 11]\}$	x^4+x^3+1	$z^{15}+35z^{12}+105z^{11}+168z^{10}+280z^9+435z^8+435z^7+280z^6+168z^5+105z^4+35z^3+1$	$\left\{\left[\frac{15}{2}, \frac{\sqrt{15}}{2}\right]\right\}$
$\{[16, 2, 12]\}$	x^4+1	$z^{16}+24z^{14}+220z^{12}+936z^{10}+1734z^8+936z^6+220z^4+24z^2+1$	$\{[8, 2]\}$
$\{[18, 2, 14]\}$	x^4+x^2+1	$z^{18}+18z^{16}+54z^{15}+135z^{14}+540z^{13}+1269z^{12}+1962z^{11}+2673z^{10}+3080z^9+2673z^8+1962z^7+1269z^6+540z^5+135z^4+54z^3+18z^2+1$	$\left\{\left[9, \frac{3\sqrt{2}}{2}\right]\right\}$
$\{[18, 2, 14]\}$	x^4+x^3+x+1	$27z^{16}+342z^{14}+2406z^{12}+5382z^{10}+5508z^8+2322z^6+378z^4+18z^2+1$	$\left\{\left[9, \frac{3\sqrt{2}}{2}\right]\right\}$
$\{[20, 2, 16]\}$	x^4+1	$625z^{16}+5000z^{14}+15500z^{12}+23000z^{10}+16150z^8+4600z^6+620z^4+40z^2+1$	$\{[10, \sqrt{5}]\}$
$\{[20, 2, 16]\}$	$x^4+x^3+x^2+x+1$	$z^{20}+30z^{18}+365z^{16}+1024z^{15}+2280z^{14}+5120z^{13}+7570z^{12}+10240z^{11}+12276z^{10}+10240z^9+7570z^8+5120z^7+2280z^6+1024z^5+365z^4+30z^2+1$	$\{[10, \sqrt{5}]\}$
$\{[21, 2, 17]\}$	x^4+x^2+x+1	$189z^{18}+2457z^{16}+14724z^{14}+36484z^{12}+44310z^{10}+25326z^8+6804z^6+756z^4+21z^2+1$	$\left\{\left[\frac{21}{2}, \frac{\sqrt{21}}{2}\right]\right\}$
$\{[21, 2, 17]\}$	$x^4+x^3+x^2+1$	$189z^{18}+2457z^{16}+14724z^{14}+36484z^{12}+44310z^{10}+25326z^8+6804z^6+756z^4+21z^2+1$	$\left\{\left[\frac{21}{2}, \frac{\sqrt{21}}{2}\right]\right\}$
$\{[24, 2, 20]\}$	x^4+1	$z^{24}+60z^{22}+1410z^{20}+16204z^{18}+92655z^{16}+245880z^{14}+336156z^{12}+245880z^{10}+92655z^8+16204z^6+1410z^4+60z^2+1$	$\{[12, \sqrt{6}]\}$
$\{[24, 2, 20]\}$	x^4+x^2+1	$z^{24}+36z^{22}+128z^{21}+546z^{20}+2688z^{19}+8596z^{18}+21504z^{17}+46191z^{16}+81920z^{15}+121416z^{14}+155904z^{13}+170716z^{12}+155904z^{11}+121416z^{10}+81920z^9+46191z^8+21504z^7+8596z^6+2688z^5+546z^4+128z^3+36z^2+1$	$\{[12, \sqrt{6}]\}$
$\{[24, 2, 20]\}$	x^4+x^3+x+1	$z^{24}+36z^{22}+1314z^{20}+16788z^{18}+92271z^{16}+244296z^{14}+339164z^{12}+244296z^{10}+92271z^8+16788z^6+1314z^4+36z^2+1$	$\{[12, \sqrt{6}]\}$
$\{[25, 2, 21]\}$	$x^4+x^3+x^2+x+1$	$z^{25}+50z^{23}+1025z^{21}+3125z^{20}+11000z^{19}+31250z^{18}+65250z^{17}+128125z^{16}+207500z^{15}+275000z^{14}+326250z^{13}+326250z^{12}+275000z^{11}+207500z^{10}+128125z^9+65250z^8+31250z^7+11000z^6+3125z^5+1025z^4+50z^2+1$	$\left\{\left[\frac{25}{2}, \frac{5}{2}\right]\right\}$
$\{[28, 2, 24]\}$	x^4+1	$2401z^{24}+48020z^{22}+388962z^{20}+1634052z^{18}+3811759z^{16}+5013288z^{14}+3795932z^{12}+1645224z^{10}+388815z^8+45892z^6+2786z^4+84z^2+1$	$\{[14, \sqrt{7}]\}$
$\{[28, 2, 24]\}$	x^4+x^2+x+1	$z^{28}+42z^{26}+2555z^{24}+47236z^{22}+387849z^{20}+1642102z^{18}+3799803z^{16}+5018040z^{14}+3799803z^{12}+1642102z^{10}+387849z^8+47236z^6+2555z^4+42z^2$	$\{[14, \sqrt{7}]\}$

		+1	
$\{[28, 2, 24]\}$	$x^4+x^3+x^2+1$	$z^{28}+42z^{26}+2555z^{24}+47236z^{22}+387849z^{20}+1642102z^{18}+3799803z^{16}$ $+5018040z^{14}+3799803z^{12}+1642102z^{10}+387849z^8+47236z^6+2555z^4+42z^2$ $+1$	$\{[14, \sqrt{7}]\}$
$\{[30, 2, 26]\}$	x^4+x+1	$z^{30}+15z^{28}+280z^{27}+1785z^{26}+8736z^{25}+36855z^{24}+127920z^{23}+366405z^{22}$ $+892320z^{21}+1876875z^{20}+3417960z^{19}+5406765z^{18}+7479360z^{17}$ $+9088515z^{16}+9701280z^{15}+9088515z^{14}+7479360z^{13}+5406765z^{12}$ $+3417960z^{11}+1876875z^{10}+892320z^9+366405z^8+127920z^7+36855z^6$ $+8736z^5+1785z^4+280z^3+15z^2+1$	$\left\{ \left[15, \frac{\sqrt{30}}{2} \right] \right\}$
$\{[30, 2, 26]\}$	x^4+x^2+1	$z^{30}+60z^{28}+250z^{27}+1530z^{26}+9000z^{25}+37125z^{24}+126900z^{23}+367875z^{22}$ $+894600z^{21}+1871250z^{20}+3414630z^{19}+5415000z^{18}+7482960z^{17}$ $+9084375z^{16}+9697752z^{15}+9084375z^{14}+7482960z^{13}+5415000z^{12}$ $+3414630z^{11}+1871250z^{10}+894600z^9+367875z^8+126900z^7+37125z^6$ $+9000z^5+1530z^4+250z^3+60z^2+1$	$\left\{ \left[15, \frac{\sqrt{30}}{2} \right] \right\}$
$\{[30, 2, 26]\}$	$x^4+x^3+x^2+x+1$	$z^{30}+75z^{28}+2325z^{26}+7776z^{25}+38255z^{24}+129600z^{23}+356925z^{22}+902880z^{21}$ $+1880175z^{20}+3398400z^{19}+5430385z^{18}+7469760z^{17}+9069075z^{16}$ $+9737600z^{15}+9069075z^{14}+7469760z^{13}+5430385z^{12}+3398400z^{11}$ $+1880175z^{10}+902880z^9+356925z^8+129600z^7+38255z^6+7776z^5+2325z^4$ $+75z^2+1$	$\left\{ \left[15, \frac{\sqrt{30}}{2} \right] \right\}$
$\{[30, 2, 26]\}$	x^4+x^3+x+1	$75z^{28}+3300z^{26}+74455z^{24}+731760z^{22}+3754503z^{20}+10812820z^{18}$ $+18179235z^{16}+18172800z^{14}+10817825z^{12}+3751500z^{10}+733125z^8$ $+74000z^6+3405z^4+60z^2+1$	$\left\{ \left[15, \frac{\sqrt{30}}{2} \right] \right\}$
$\{[30, 2, 26]\}$	x^4+x^3+1	$z^{30}+15z^{28}+280z^{27}+1785z^{26}+8736z^{25}+36855z^{24}+127920z^{23}+366405z^{22}$ $+892320z^{21}+1876875z^{20}+3417960z^{19}+5406765z^{18}+7479360z^{17}$ $+9088515z^{16}+9701280z^{15}+9088515z^{14}+7479360z^{13}+5406765z^{12}$ $+3417960z^{11}+1876875z^{10}+892320z^9+366405z^8+127920z^7+36855z^6$ $+8736z^5+1785z^4+280z^3+15z^2+1$	$\left\{ \left[15, \frac{\sqrt{30}}{2} \right] \right\}$
$\{[32, 2, 28]\}$	x^4+1	$z^{32}+112z^{30}+4984z^{28}+111440z^{26}+1312028z^{24}+8080240z^{22}+28212296z^{20}$ $+58900688z^{18}+75191878z^{16}+58900688z^{14}+28212296z^{12}+8080240z^{10}$ $+1312028z^8+111440z^6+4984z^4+112z^2+1$	$\{[16, 2\sqrt{2}]\}$

$\{[35, 2, 31]\}$	x^4+x^2+x+1	$875 z^{32}+40250 z^{30}+841650 z^{28}+8823850 z^{26}+52154830 z^{24}+184545410 z^{22}$ $+405979882 z^{20}+567219730 z^{18}+507462340 z^{16}+290019950 z^{14}$ $+104290550 z^{12}+22954750 z^{10}+2939650 z^8+203350 z^6+6510 z^4+70 z^2+1$	$\left\{ \left[\frac{35}{2}, \frac{\sqrt{35}}{2} \right] \right\}$
$\{[35, 2, 31]\}$	$x^4+x^3+x^2+x+1$	$z^{35}+105 z^{33}+4585 z^{31}+16807 z^{30}+107345 z^{29}+420175 z^{28}+1450645 z^{27}$ $+4453855 z^{26}+11436061 z^{25}+26062855 z^{24}+52275405 z^{23}+92090355 z^{22}$ $+145032405 z^{21}+203208635 z^{20}+253464995 z^{19}+283717595 z^{18}$ $+283717595 z^{17}+253464995 z^{16}+203208635 z^{15}+145032405 z^{14}$ $+92090355 z^{13}+52275405 z^{12}+26062855 z^{11}+11436061 z^{10}+4453855 z^9$ $+1450645 z^8+420175 z^7+107345 z^6+16807 z^5+4585 z^4+105 z^2+1$	$\left\{ \left[\frac{35}{2}, \frac{\sqrt{35}}{2} \right] \right\}$
$\{[35, 2, 31]\}$	$x^4+x^3+x^2+1$	$875 z^{32}+40250 z^{30}+841650 z^{28}+8823850 z^{26}+52154830 z^{24}+184545410 z^{22}$ $+405979882 z^{20}+567219730 z^{18}+507462340 z^{16}+290019950 z^{14}$ $+104290550 z^{12}+22954750 z^{10}+2939650 z^8+203350 z^6+6510 z^4+70 z^2+1$	$\left\{ \left[\frac{35}{2}, \frac{\sqrt{35}}{2} \right] \right\}$
$\{[36, 2, 32]\}$	x^4+1	$6561 z^{32}+244944 z^{30}+3796632 z^{28}+31729968 z^{26}+156463164 z^{24}+474674256 z^{22}$ $+913304808 z^{20}+1134373680 z^{18}+913696038 z^{16}+474376176 z^{14}$ $+156470184 z^{12}+31810320 z^{10}+3770748 z^8+241392 z^6+8280 z^4+144 z^2+1$	$\{[18, 3]\}$
$\{[36, 2, 32]\}$	x^4+x^2+1	$z^{36}+90 z^{34}+432 z^{33}+3465 z^{32}+23760 z^{31}+120912 z^{30}+521136 z^{29}+1898820 z^{28}$ $+5883856 z^{27}+15866136 z^{26}+37555056 z^{25}+78250740 z^{24}+144411408 z^{23}$ $+237288240 z^{22}+348010608 z^{21}+456652350 z^{20}+537335568 z^{19}$ $+567322140 z^{18}+537335568 z^{17}+456652350 z^{16}+348010608 z^{15}$ $+237288240 z^{14}+144411408 z^{13}+78250740 z^{12}+37555056 z^{11}+15866136 z^{10}$ $+5883856 z^9+1898820 z^8+521136 z^7+120912 z^6+23760 z^5+3465 z^4+432 z^3$ $+90 z^2+1$	$\{[18, 3]\}$
$\{[36, 2, 32]\}$	x^4+x^3+x+1	$z^{36}+90 z^{34}+7353 z^{32}+242736 z^{30}+3787092 z^{28}+31760856 z^{26}+156477348 z^{24}$ $+474529104 z^{22}+913470030 z^{20}+1134418076 z^{18}+913470030 z^{16}$ $+474529104 z^{14}+156477348 z^{12}+31760856 z^{10}+3787092 z^8+242736 z^6$ $+7353 z^4+90 z^2+1$	$\{[18, 3]\}$
$\{[40, 2, 36]\}$	x^4+1	$z^{40}+180 z^{38}+12990 z^{36}+478740 z^{34}+9581805 z^{32}+106015504 z^{30}+698504040 z^{28}$ $+2900304720 z^{26}+7856957970 z^{24}+14173070040 z^{22}+17229624756 z^{20}$ $+14173070040 z^{18}+7856957970 z^{16}+2900304720 z^{14}+698504040 z^{12}$ $+106015504 z^{10}+9581805 z^8+478740 z^6+12990 z^4+180 z^2+1$	$\{[20, \sqrt{10}]\}$

$\{[40, 2, 36]\}$	$x^4+x^3+x^2+x+1$	$ \begin{aligned} & z^{40}+140 z^{38}+8190 z^{36}+32768 z^{35}+258860 z^{34}+1146880 z^{33}+4784365 z^{32} \\ & +17203200 z^{31}+52757488 z^{30}+144670720 z^{29}+349426280 z^{28}+751206400 z^{27} \\ & +1451310000 z^{26}+2514190336 z^{25}+3926830610 z^{24}+5547786240 z^{23} \\ & +7085345960 z^{22}+8203632640 z^{21}+8618294580 z^{20}+8203632640 z^{19} \\ & +7085345960 z^{18}+5547786240 z^{17}+3926830610 z^{16}+2514190336 z^{15} \\ & +1451310000 z^{14}+751206400 z^{13}+349426280 z^{12}+144670720 z^{11} \\ & +52757488 z^{10}+17203200 z^9+4784365 z^8+1146880 z^7+258860 z^6+32768 z^5 \\ & +8190 z^4+140 z^2+1 \end{aligned} $	$\{[20, \sqrt{10}]\}$
$\{[42, 2, 38]\}$	x^4+x^2+1	$ \begin{aligned} & z^{42}+126 z^{40}+686 z^{39}+6825 z^{38}+53508 z^{37}+324961 z^{36}+1685502 z^{35}+7395570 z^{34} \\ & +27864928 z^{33}+91924833 z^{32}+267555288 z^{31}+691122068 z^{30} \\ & +1594874736 z^{29}+3304016100 z^{28}+6167068600 z^{27}+10406233782 z^{26} \\ & +15916406688 z^{25}+22106830200 z^{24}+27923297220 z^{23}+32111622270 z^{22} \\ & +33641339160 z^{21}+32111622270 z^{20}+27923297220 z^{19}+22106830200 z^{18} \\ & +15916406688 z^{17}+10406233782 z^{16}+6167068600 z^{15}+3304016100 z^{14} \\ & +1594874736 z^{13}+691122068 z^{12}+267555288 z^{11}+91924833 z^{10}+27864928 z^9 \\ & +7395570 z^8+1685502 z^7+324961 z^6+53508 z^5+6825 z^4+686 z^3+126 z^2+1 \end{aligned} $	$\left\{\left[21, \frac{\sqrt{42}}{2}\right]\right\}$
$\{[42, 2, 38]\}$	x^4+x^2+x+1	$ \begin{aligned} & z^{42}+105 z^{40}+13902 z^{38}+656782 z^{36}+14747733 z^{34}+183952461 z^{32} \\ & +1382207848 z^{30}+6607634664 z^{28}+20813571954 z^{26}+44212270466 z^{24} \\ & +64223897556 z^{22}+64223897556 z^{20}+44212270466 z^{18}+20813571954 z^{16} \\ & +6607634664 z^{14}+1382207848 z^{12}+183952461 z^{10}+14747733 z^8+656782 z^6 \\ & +13902 z^4+105 z^2+1 \end{aligned} $	$\left\{\left[21, \frac{\sqrt{42}}{2}\right]\right\}$
$\{[42, 2, 38]\}$	$x^4+x^3+x^2+1$	$ \begin{aligned} & z^{42}+105 z^{40}+13902 z^{38}+656782 z^{36}+14747733 z^{34}+183952461 z^{32} \\ & +1382207848 z^{30}+6607634664 z^{28}+20813571954 z^{26}+44212270466 z^{24} \\ & +64223897556 z^{22}+64223897556 z^{20}+44212270466 z^{18}+20813571954 z^{16} \\ & +6607634664 z^{14}+1382207848 z^{12}+183952461 z^{10}+14747733 z^8+656782 z^6 \\ & +13902 z^4+105 z^2+1 \end{aligned} $	$\left\{\left[21, \frac{\sqrt{42}}{2}\right]\right\}$
$\{[42, 2, 38]\}$	x^4+x^3+x+1	$ \begin{aligned} & 147 z^{40}+13818 z^{38}+655228 z^{36}+14758254 z^{34}+183924405 z^{32}+1382233384 z^{30} \\ & +6607687488 z^{28}+20813363928 z^{26}+44212591150 z^{24}+64223633292 z^{22} \\ & +64223986008 z^{20}+44212297220 z^{18}+20813567418 z^{16}+6607571208 z^{14} \\ & +1382287648 z^{12}+183904056 z^{10}+14764239 z^8+653898 z^6+14028 z^4+126 z^2 \\ & +1 \end{aligned} $	$\left\{\left[21, \frac{\sqrt{42}}{2}\right]\right\}$

$\{[44, 2, 40]\}$	x^4+1	$14641 z^{40} + 878460 z^{38} + 22225038 z^{36} + 310096380 z^{34} + 2635804589 z^{32}$ $+ 14370732464 z^{30} + 52089579432 z^{28} + 128687234544 z^{26} + 220135056306 z^{24}$ $+ 263012105928 z^{22} + 220125266196 z^{20} + 128695066632 z^{18} + 52089361874 z^{16}$ $+ 14368091760 z^{14} + 2636922024 z^{12} + 310198064 z^{10} + 22088605 z^8 + 885148 z^6$ $+ 19470 z^4 + 220 z^2 + 1$	$\{[22, \sqrt{11}]\}$
$\{[45, 2, 41]\}$	x^4+x+1	$z^{45} + 45 z^{43} + 945 z^{42} + 9450 z^{41} + 75789 z^{40} + 508410 z^{39} + 2839770 z^{38} + 13473945 z^{37}$ $+ 55369610 z^{36} + 199384461 z^{35} + 634463865 z^{34} + 1797495000 z^{33}$ $+ 4562754525 z^{32} + 10429502040 z^{31} + 21554490264 z^{30} + 40414015170 z^{29}$ $+ 68941324440 z^{28} + 107243077690 z^{27} + 152398271970 z^{26} + 198116430876 z^{25}$ $+ 235852767930 z^{24} + 257295371580 z^{23} + 257295371580 z^{22}$ $+ 235852767930 z^{21} + 198116430876 z^{20} + 152398271970 z^{19}$ $+ 107243077690 z^{18} + 68941324440 z^{17} + 40414015170 z^{16} + 21554490264 z^{15}$ $+ 10429502040 z^{14} + 4562754525 z^{13} + 1797495000 z^{12} + 634463865 z^{11}$ $+ 199384461 z^{10} + 55369610 z^9 + 13473945 z^8 + 2839770 z^7 + 508410 z^6 + 75789 z^5$ $+ 9450 z^4 + 945 z^3 + 45 z^2 + 1$	$\left\{ \left[\frac{45}{2}, \frac{3\sqrt{5}}{2} \right] \right\}$
$\{[45, 2, 41]\}$	$x^4+x^3+x^2+x+1$	$z^{45} + 180 z^{43} + 13590 z^{41} + 59049 z^{40} + 557700 z^{39} + 2755620 z^{38} + 13516245 z^{37}$ $+ 55571670 z^{36} + 198669456 z^{35} + 635585940 z^{34} + 1797107400 z^{33}$ $+ 4560685965 z^{32} + 10434318480 z^{31} + 21549873744 z^{30} + 40412485170 z^{29}$ $+ 68952814920 z^{28} + 107228617560 z^{27} + 152400327120 z^{26} + 198132288516 z^{25}$ $+ 235831795650 z^{24} + 257304583800 z^{23} + 257304583800 z^{22}$ $+ 235831795650 z^{21} + 198132288516 z^{20} + 152400327120 z^{19}$ $+ 107228617560 z^{18} + 68952814920 z^{17} + 40412485170 z^{16} + 21549873744 z^{15}$ $+ 10434318480 z^{14} + 4560685965 z^{13} + 1797107400 z^{12} + 635585940 z^{11}$ $+ 198669456 z^{10} + 55571670 z^9 + 13516245 z^8 + 2755620 z^7 + 557700 z^6 + 59049 z^5$ $+ 13590 z^4 + 180 z^2 + 1$	$\left\{ \left[\frac{45}{2}, \frac{3\sqrt{5}}{2} \right] \right\}$
$\{[45, 2, 41]\}$	x^4+x^3+1	$z^{45} + 45 z^{43} + 945 z^{42} + 9450 z^{41} + 75789 z^{40} + 508410 z^{39} + 2839770 z^{38} + 13473945 z^{37}$ $+ 55369610 z^{36} + 199384461 z^{35} + 634463865 z^{34} + 1797495000 z^{33}$ $+ 4562754525 z^{32} + 10429502040 z^{31} + 21554490264 z^{30} + 40414015170 z^{29}$ $+ 68941324440 z^{28} + 107243077690 z^{27} + 152398271970 z^{26} + 198116430876 z^{25}$ $+ 235852767930 z^{24} + 257295371580 z^{23} + 257295371580 z^{22}$ $+ 235852767930 z^{21} + 198116430876 z^{20} + 152398271970 z^{19}$	$\left\{ \left[\frac{45}{2}, \frac{3\sqrt{5}}{2} \right] \right\}$

		$+107243077690 z^{18} + 68941324440 z^{17} + 40414015170 z^{16} + 21554490264 z^{15}$ $+10429502040 z^{14} + 4562754525 z^{13} + 1797495000 z^{12} + 634463865 z^{11}$ $+199384461 z^{10} + 55369610 z^9 + 13473945 z^8 + 2839770 z^7 + 508410 z^6 + 75789 z^5$ $+9450 z^4 + 945 z^3 + 45 z^2 + 1$	
$\{[48, 2, 44]\}$	$x^4 + 1$	$z^{48} + 264 z^{46} + 28116 z^{44} + 1545720 z^{42} + 47053314 z^{40} + 817482072 z^{38}$ $+ 8710187908 z^{36} + 60287755176 z^{34} + 281852018415 z^{32} + 913744261584 z^{30}$ $+ 2091950105256 z^{28} + 3423191271984 z^{26} + 4030982624796 z^{24}$ $+ 3423191271984 z^{22} + 2091950105256 z^{20} + 913744261584 z^{18}$ $+ 281852018415 z^{16} + 60287755176 z^{14} + 8710187908 z^{12} + 817482072 z^{10}$ $+ 47053314 z^8 + 1545720 z^6 + 28116 z^4 + 264 z^2 + 1$	$\{[24, 2\sqrt{3}]\}$
$\{[48, 2, 44]\}$	$x^4 + x^2 + 1$	$z^{48} + 168 z^{46} + 1024 z^{45} + 12180 z^{44} + 107520 z^{43} + 760152 z^{42} + 4601856 z^{41}$ $+ 23619714 z^{40} + 104806400 z^{39} + 408755256 z^{38} + 1412256768 z^{37}$ $+ 4354030148 z^{36} + 12057916416 z^{35} + 30146256840 z^{34} + 68328726528 z^{33}$ $+ 140925611247 z^{32} + 265276858368 z^{31} + 456866869264 z^{30}$ $+ 721364305920 z^{29} + 1045981631016 z^{28} + 1394641340416 z^{27}$ $+ 1711596419568 z^{26} + 1934855589888 z^{25} + 2015485091100 z^{24}$ $+ 1934855589888 z^{23} + 1711596419568 z^{22} + 1394641340416 z^{21}$ $+ 1045981631016 z^{20} + 721364305920 z^{19} + 456866869264 z^{18}$ $+ 265276858368 z^{17} + 140925611247 z^{16} + 68328726528 z^{15} + 30146256840 z^{14}$ $+ 12057916416 z^{13} + 4354030148 z^{12} + 1412256768 z^{11} + 408755256 z^{10}$ $+ 104806400 z^9 + 23619714 z^8 + 4601856 z^7 + 760152 z^6 + 107520 z^5 + 12180 z^4$ $+ 1024 z^3 + 168 z^2 + 1$	$\{[24, 2\sqrt{3}]\}$
$\{[48, 2, 44]\}$	$x^4 + x^3 + x + 1$	$z^{48} + 168 z^{46} + 24468 z^{44} + 1530200 z^{42} + 47188098 z^{40} + 817552440 z^{38}$ $+ 8708532804 z^{36} + 60290392008 z^{34} + 281855503599 z^{32} + 913729794064 z^{30}$ $+ 2091961578024 z^{28} + 3423203047920 z^{26} + 4030955756828 z^{24}$ $+ 3423203047920 z^{22} + 2091961578024 z^{20} + 913729794064 z^{18}$ $+ 281855503599 z^{16} + 60290392008 z^{14} + 8708532804 z^{12} + 817552440 z^{10}$ $+ 47188098 z^8 + 1530200 z^6 + 24468 z^4 + 168 z^2 + 1$	$\{[24, 2\sqrt{3}]\}$
		$2401 z^{46} + 237699 z^{44} + 10739673 z^{42} + 256807187 z^{40} + 3641955135 z^{38}$ $+ 32824779981 z^{36} + 196947006879 z^{34} + 812410135173 z^{32}$	

$\{[49, 2, 45]\}$	$x^4 + x^2 + x + 1$	$+2356458269802 z^{30} + 4881243043390 z^{28} + 7292916183546 z^{26}$ $+7900665679998 z^{24} + 6212485485822 z^{22} + 3534691345626 z^{20}$ $+1444282563934 z^{18} + 418513202730 z^{16} + 84406417893 z^{14} + 11532815567 z^{12}$ $+1027280541 z^{10} + 56359359 z^8 + 1750035 z^6 + 26313 z^4 + 147 z^2 + 1$	$\left\{ \left[\frac{49}{2}, \frac{7}{2} \right] \right\}$
$\{[49, 2, 45]\}$	$x^4 + x^3 + x^2 + 1$	$2401 z^{46} + 237699 z^{44} + 10739673 z^{42} + 256807187 z^{40} + 3641955135 z^{38}$ $+32824779981 z^{36} + 196947006879 z^{34} + 812410135173 z^{32}$ $+2356458269802 z^{30} + 4881243043390 z^{28} + 7292916183546 z^{26}$ $+7900665679998 z^{24} + 6212485485822 z^{22} + 3534691345626 z^{20}$ $+1444282563934 z^{18} + 418513202730 z^{16} + 84406417893 z^{14} + 11532815567 z^{12}$ $+1027280541 z^{10} + 56359359 z^8 + 1750035 z^6 + 26313 z^4 + 147 z^2 + 1$	$\left\{ \left[\frac{49}{2}, \frac{7}{2} \right] \right\}$
$\{[50, 2, 46]\}$	$x^4 + x^3 + x^2 + x + 1$	$z^{50} + 225 z^{48} + 21300 z^{46} + 100000 z^{45} + 1101300 z^{44} + 6000000 z^{43} + 33890850 z^{42}$ $+156600000 z^{41} + 640468130 z^{40} + 2338800000 z^{39} + 7582500900 z^{38}$ $+22177940000 z^{37} + 58629977700 z^{36} + 140648640000 z^{35} + 307751434575 z^{34}$ $+615485088000 z^{33} + 1128266297775 z^{32} + 1900450752000 z^{31}$ $+2945581638760 z^{30} + 4207845332800 z^{29} + 5547024282600 z^{28}$ $+6752640441600 z^{27} + 7596674430300 z^{26} + 7900872700032 z^{25}$ $+7596674430300 z^{24} + 6752640441600 z^{23} + 5547024282600 z^{22}$ $+4207845332800 z^{21} + 2945581638760 z^{20} + 1900450752000 z^{19}$ $+1128266297775 z^{18} + 615485088000 z^{17} + 307751434575 z^{16}$ $+140648640000 z^{15} + 58629977700 z^{14} + 22177940000 z^{13} + 7582500900 z^{12}$ $+2338800000 z^{11} + 640468130 z^{10} + 156600000 z^9 + 33890850 z^8 + 6000000 z^7$ $+1101300 z^6 + 100000 z^5 + 21300 z^4 + 225 z^2 + 1$	$\left\{ \left[25, \frac{5\sqrt{2}}{2} \right] \right\}$
$\{[52, 2, 48]\}$	$x^4 + 1$	$28561 z^{48} + 2513368 z^{46} + 94251300 z^{44} + 1978020616 z^{42} + 25794067442 z^{40}$ $+221121775368 z^{38} + 1295420036404 z^{36} + 5333955604120 z^{34}$ $+15749327486607 z^{32} + 33816839406064 z^{30} + 53298002703816 z^{28}$ $+61989812718288 z^{26} + 53298250047484 z^{24} + 33816634707856 z^{22}$ $+15749333470728 z^{20} + 5334036392880 z^{18} + 1295379760831 z^{16}$ $+221119317432 z^{14} + 25800956948 z^{12} + 1976936104 z^{10} + 93894450 z^8$ $+2574312 z^6 + 39364 z^4 + 312 z^2 + 1$	$\{[26, \sqrt{13}]\}$
		$z^{54} + 216 z^{52} + 1458 z^{51} + 20196 z^{50} + 198288 z^{49} + 1601145 z^{48} + 11071080 z^{47}$	

$\{[54, 2, 50]\}$	$x^4 + x^2 + 1$	$+65081610 z^{46} + 332338032 z^{45} + 1495724940 z^{44} + 5982795108 z^{43}$ $+21436851420 z^{42} + 69260918832 z^{41} + 202839604650 z^{40} + 540894805704 z^{39}$ $+1318427012295 z^{38} + 2947087676880 z^{37} + 6057895084740 z^{36}$ $+11478115185966 z^{35} + 20086736140800 z^{34} + 32521344628896 z^{33}$ $+48781954863135 z^{32} + 67870627007184 z^{31} + 87666285923820 z^{30}$ $+105199454205792 z^{29} + 117337838801688 z^{28} + 121683731754872 z^{27}$ $+117337838801688 z^{26} + 105199454205792 z^{25} + 87666285923820 z^{24}$ $+67870627007184 z^{23} + 48781954863135 z^{22} + 32521344628896 z^{21}$ $+20086736140800 z^{20} + 11478115185966 z^{19} + 6057895084740 z^{18}$ $+2947087676880 z^{17} + 1318427012295 z^{16} + 540894805704 z^{15}$ $+202839604650 z^{14} + 69260918832 z^{13} + 21436851420 z^{12} + 5982795108 z^{11}$ $+1495724940 z^{10} + 332338032 z^9 + 65081610 z^8 + 11071080 z^7 + 1601145 z^6$ $+198288 z^5 + 20196 z^4 + 1458 z^3 + 216 z^2 + 1$	$\left\{ \left[27, \frac{3\sqrt{6}}{2} \right] \right\}$
$\{[54, 2, 50]\}$	$x^4 + x^3 + x + 1$	$243 z^{52} + 39528 z^{50} + 3224637 z^{48} + 130070448 z^{46} + 2991401658 z^{44}$ $+42875281440 z^{42} + 405673572942 z^{40} + 2636862060816 z^{38}$ $+12115795235169 z^{36} + 40173426872136 z^{34} + 97564006003815 z^{32}$ $+175332461835744 z^{30} + 234675733023036 z^{28} + 234675712964736 z^{26}$ $+175332479219604 z^{24} + 97563992965920 z^{22} + 40173435308421 z^{20}$ $+12115790548344 z^{18} + 2636864280891 z^{16} + 405672684912 z^{14}$ $+42875577450 z^{12} + 2991320928 z^{10} + 130087998 z^8 + 3221712 z^6 + 39879 z^4$ $+216 z^2 + 1$	$\left\{ \left[27, \frac{3\sqrt{6}}{2} \right] \right\}$
$\{[55, 2, 51]\}$	$x^4 + x^3 + x^2 + x + 1$	$z^{55} + 275 z^{53} + 31900 z^{51} + 161051 z^{50} + 2029060 z^{49} + 12078825 z^{48} + 77298650 z^{47}$ $+396185460 z^{46} + 1826201630 z^{45} + 7488871500 z^{44} + 27399208540 z^{43}$ $+90718417790 z^{42} + 272115363300 z^{41} + 743632934330 z^{40}$ $+1859484538615 z^{39} + 4265453011380 z^{38} + 9004763880805 z^{37}$ $+17536511624940 z^{36} + 31564406055160 z^{35} + 52607886078605 z^{34}$ $+81304300203720 z^{33} + 116651507117695 z^{32} + 155537053229580 z^{31}$ $+192866856420392 z^{30} + 222535652245060 z^{29} + 239022363654360 z^{28}$ $+239022363654360 z^{27} + 222535652245060 z^{26} + 192866856420392 z^{25}$ $+155537053229580 z^{24} + 116651507117695 z^{23} + 81304300203720 z^{22}$ $+52607886078605 z^{21} + 31564406055160 z^{20} + 17536511624940 z^{19}$	$\left\{ \left[\frac{55}{2}, \frac{\sqrt{55}}{2} \right] \right\}$

		$+9004763880805 z^{18} + 4265453011380 z^{17} + 1859484538615 z^{16}$ $+743632934330 z^{15} + 272115363300 z^{14} + 90718417790 z^{13} + 27399208540 z^{12}$ $+7488871500 z^{11} + 1826201630 z^{10} + 396185460 z^9 + 77298650 z^8 + 12078825 z^7$ $+2029060 z^6 + 161051 z^5 + 31900 z^4 + 275 z^2 + 1$	
$\{[56, 2, 52]\}$	$x^4 + 1$	$z^{56} + 364 z^{54} + 53690 z^{52} + 4119388 z^{50} + 177349627 z^{48} + 4449252808 z^{46}$ $+ 69804126756 z^{44} + 725598212616 z^{42} + 5206058909961 z^{40}$ $+ 26541066296836 z^{38} + 98201833406950 z^{36} + 267822378395572 z^{34}$ $+ 544379252968187 z^{32} + 830806410565040 z^{30} + 956085560054904 z^{28}$ $+ 830806410565040 z^{26} + 544379252968187 z^{24} + 267822378395572 z^{22}$ $+ 98201833406950 z^{20} + 26541066296836 z^{18} + 5206058909961 z^{16}$ $+ 725598212616 z^{14} + 69804126756 z^{12} + 4449252808 z^{10} + 177349627 z^8$ $+ 4119388 z^6 + 53690 z^4 + 364 z^2 + 1$	$\{[28, \sqrt{14}]\}$
$\{[56, 2, 52]\}$	$x^4 + x^2 + x + 1$	$z^{56} + 196 z^{54} + 45626 z^{52} + 4062100 z^{50} + 177537787 z^{48} + 4450987352 z^{46}$ $+ 69797591332 z^{44} + 725592145432 z^{42} + 5206118355977 z^{40}$ $+ 26540997658252 z^{38} + 98201701638502 z^{36} + 267822788781212 z^{34}$ $+ 544378992859387 z^{32} + 830806006099216 z^{30} + 956086371845752 z^{28}$ $+ 830806006099216 z^{26} + 544378992859387 z^{24} + 267822788781212 z^{22}$ $+ 98201701638502 z^{20} + 26540997658252 z^{18} + 5206118355977 z^{16}$ $+ 725592145432 z^{14} + 69797591332 z^{12} + 4450987352 z^{10} + 177537787 z^8$ $+ 4062100 z^6 + 45626 z^4 + 196 z^2 + 1$	$\{[28, \sqrt{14}]\}$
$\{[56, 2, 52]\}$	$x^4 + x^3 + x^2 + 1$	$z^{56} + 196 z^{54} + 45626 z^{52} + 4062100 z^{50} + 177537787 z^{48} + 4450987352 z^{46}$ $+ 69797591332 z^{44} + 725592145432 z^{42} + 5206118355977 z^{40}$ $+ 26540997658252 z^{38} + 98201701638502 z^{36} + 267822788781212 z^{34}$ $+ 544378992859387 z^{32} + 830806006099216 z^{30} + 956086371845752 z^{28}$ $+ 830806006099216 z^{26} + 544378992859387 z^{24} + 267822788781212 z^{22}$ $+ 98201701638502 z^{20} + 26540997658252 z^{18} + 5206118355977 z^{16}$ $+ 725592145432 z^{14} + 69797591332 z^{12} + 4450987352 z^{10} + 177537787 z^8$ $+ 4062100 z^6 + 45626 z^4 + 196 z^2 + 1$	$\{[28, \sqrt{14}]\}$
		$50625 z^{56} + 6142500 z^{54} + 320024250 z^{52} + 9427840500 z^{50} + 174911921275 z^{48}$ $+ 2168201544600 z^{46} + 18701191229220 z^{44} + 115628663594840 z^{42}$	

$\{[60, 2, 56]\}$	$x^4 + 1$	$+523979914539081 z^{40} + 1769286183569580 z^{38} + 4506548546146790 z^{36}$ $+ 8735768096868540 z^{34} + 12964996393448955 z^{32} + 14783072637438608 z^{30}$ $+ 12964990097026680 z^{28} + 8735773439287440 z^{26} + 4506548389266235 z^{24}$ $+ 1769283812828220 z^{22} + 523981234446054 z^{20} + 115628717110060 z^{18}$ $+ 18700907124105 z^{16} + 2168271591000 z^{14} + 174928235300 z^{12}$ $+ 9420559512 z^{10} + 319651515 z^8 + 6370420 z^6 + 71610 z^4 + 420 z^2 + 1$	$\{[30, \sqrt{15}]\}$
$\{[60, 2, 56]\}$	$x^4 + x + 1$	$z^{60} + 90 z^{58} + 2240 z^{57} + 30675 z^{56} + 340032 z^{55} + 3128020 z^{54} + 24148800 z^{53}$ $+ 159914925 z^{52} + 923881920 z^{51} + 4712146686 z^{50} + 21419049600 z^{49}$ $+ 87459747375 z^{48} + 322927920000 z^{47} + 1084119582600 z^{46}$ $+ 3324633601920 z^{45} + 9350520097725 z^{44} + 24201347702400 z^{43}$ $+ 57814357756650 z^{42} + 127800151617600 z^{41} + 261990257978295 z^{40}$ $+ 499029084523200 z^{39} + 884642556552300 z^{38} + 1461583307620800 z^{37}$ $+ 2253274137666825 z^{36} + 3244714839842112 z^{35} + 4367885522382270 z^{34}$ $+ 5500300167837440 z^{33} + 6482496450869715 z^{32} + 7153099681393920 z^{31}$ $+ 7391536503255664 z^{30} + 7153099681393920 z^{29} + 6482496450869715 z^{28}$ $+ 5500300167837440 z^{27} + 4367885522382270 z^{26} + 3244714839842112 z^{25}$ $+ 2253274137666825 z^{24} + 1461583307620800 z^{23} + 884642556552300 z^{22}$ $+ 499029084523200 z^{21} + 261990257978295 z^{20} + 127800151617600 z^{19}$ $+ 57814357756650 z^{18} + 24201347702400 z^{17} + 9350520097725 z^{16}$ $+ 3324633601920 z^{15} + 1084119582600 z^{14} + 322927920000 z^{13}$ $+ 87459747375 z^{12} + 21419049600 z^{11} + 4712146686 z^{10} + 923881920 z^9$ $+ 159914925 z^8 + 24148800 z^7 + 3128020 z^6 + 340032 z^5 + 30675 z^4 + 2240 z^3$ $+ 90 z^2 + 1$	$\{[30, \sqrt{15}]\}$
		$z^{60} + 270 z^{58} + 2000 z^{57} + 31635 z^{56} + 342000 z^{55} + 3107260 z^{54} + 24145200 z^{53}$ $+ 159969645 z^{52} + 923878800 z^{51} + 4712512506 z^{50} + 21418931040 z^{49}$ $+ 87456876975 z^{48} + 322929250080 z^{47} + 1084127083800 z^{46}$ $+ 3324627434016 z^{45} + 9350518916925 z^{44} + 24201364307040 z^{43}$ $+ 57814306876350 z^{42} + 127800124750320 z^{41} + 261990430785015 z^{40}$ $+ 499029104062800 z^{39} + 884642255261700 z^{38} + 1461583326886800 z^{37}$ $+ 2253274409169225 z^{36} + 3244714767888048 z^{35} + 4367885547091770 z^{34}$ $+ 5500300257450560 z^{33} + 6482496010556115 z^{32} + 7153099640153280 z^{31}$	

$\{[60, 2, 56]\}$	x^4+x^2+1	$+7391537142485584 z^{30}+7153099640153280 z^{29}+6482496010556115 z^{28}$ $+5500300257450560 z^{27}+4367885547091770 z^{26}+3244714767888048 z^{25}$ $+2253274409169225 z^{24}+1461583326886800 z^{23}+884642255261700 z^{22}$ $+499029104062800 z^{21}+261990430785015 z^{20}+127800124750320 z^{19}$ $+57814306876350 z^{18}+24201364307040 z^{17}+9350518916925 z^{16}$ $+3324627434016 z^{15}+1084127083800 z^{14}+322929250080 z^{13}$ $+87456876975 z^{12}+21418931040 z^{11}+4712512506 z^{10}+923878800 z^9$ $+159969645 z^8+24145200 z^7+3107260 z^6+342000 z^5+31635 z^4+2000 z^3$ $+270 z^2+1$	$\{[30, \sqrt{15}]\}$
$\{[60, 2, 56]\}$	$x^4+x^3+x^2+x+1$	$z^{60}+330 z^{58}+46035 z^{56}+248832 z^{55}+3532980 z^{54}+22809600 z^{53}+163232685 z^{52}$ $+918466560 z^{51}+4714242126 z^{50}+21436968960 z^{49}+87397575215 z^{48}$ $+323034961920 z^{47}+1084058032200 z^{46}+3324436633600 z^{45}$ $+9351133745085 z^{44}+24200594288640 z^{43}+57814390606170 z^{42}$ $+127801746124800 z^{41}+261987250152375 z^{40}+499031197660160 z^{39}$ $+884644701414540 z^{38}+1461576297477120 z^{37}+2253281057526025 z^{36}$ $+3244715283013632 z^{35}+4367875551851790 z^{34}+5500312920678400 z^{33}$ $+6482491984028115 z^{32}+7153090620149760 z^{31}+7391552206992624 z^{30}$ $+7153090620149760 z^{29}+6482491984028115 z^{28}+5500312920678400 z^{27}$ $+4367875551851790 z^{26}+3244715283013632 z^{25}+2253281057526025 z^{24}$ $+1461576297477120 z^{23}+884644701414540 z^{22}+499031197660160 z^{21}$ $+261987250152375 z^{20}+127801746124800 z^{19}+57814390606170 z^{18}$ $+24200594288640 z^{17}+9351133745085 z^{16}+3324436633600 z^{15}$ $+1084058032200 z^{14}+323034961920 z^{13}+87397575215 z^{12}+21436968960 z^{11}$ $+4714242126 z^{10}+918466560 z^9+163232685 z^8+22809600 z^7+3532980 z^6$ $+248832 z^5+46035 z^4+330 z^2+1$	$\{[30, \sqrt{15}]\}$
$\{[60, 2, 56]\}$	x^4+x^3+x+1	$z^{60}+270 z^{58}+61635 z^{56}+6247260 z^{54}+319863645 z^{52}+9424336506 z^{50}$ $+174918932175 z^{48}+2168239680600 z^{46}+18701048078685 z^{44}$ $+115628672171070 z^{42}+523980637917063 z^{40}+1769284889738340 z^{38}$ $+4506548555131545 z^{36}+8735770809347130 z^{34}+12964993029497235 z^{32}$ $+14783072935921616 z^{30}+12964993029497235 z^{28}+8735770809347130 z^{26}$ $+4506548555131545 z^{24}+1769284889738340 z^{22}+523980637917063 z^{20}$	$\{[30, \sqrt{15}]\}$

		$+115628672171070 z^{18} + 18701048078685 z^{16} + 2168239680600 z^{14}$ $+174918932175 z^{12} + 9424336506 z^{10} + 319863645 z^8 + 6247260 z^6 + 61635 z^4$ $+270 z^2 + 1$	
$\{[60, 2, 56]\}$	$x^4 + x^3 + 1$	$z^{60} + 90 z^{58} + 2240 z^{57} + 30675 z^{56} + 340032 z^{55} + 3128020 z^{54} + 24148800 z^{53}$ $+159914925 z^{52} + 923881920 z^{51} + 4712146686 z^{50} + 21419049600 z^{49}$ $+87459747375 z^{48} + 322927920000 z^{47} + 1084119582600 z^{46}$ $+3324633601920 z^{45} + 9350520097725 z^{44} + 24201347702400 z^{43}$ $+57814357756650 z^{42} + 127800151617600 z^{41} + 261990257978295 z^{40}$ $+499029084523200 z^{39} + 884642556552300 z^{38} + 1461583307620800 z^{37}$ $+2253274137666825 z^{36} + 3244714839842112 z^{35} + 4367885522382270 z^{34}$ $+5500300167837440 z^{33} + 6482496450869715 z^{32} + 7153099681393920 z^{31}$ $+7391536503255664 z^{30} + 7153099681393920 z^{29} + 6482496450869715 z^{28}$ $+5500300167837440 z^{27} + 4367885522382270 z^{26} + 3244714839842112 z^{25}$ $+2253274137666825 z^{24} + 1461583307620800 z^{23} + 884642556552300 z^{22}$ $+499029084523200 z^{21} + 261990257978295 z^{20} + 127800151617600 z^{19}$ $+57814357756650 z^{18} + 24201347702400 z^{17} + 9350520097725 z^{16}$ $+3324633601920 z^{15} + 1084119582600 z^{14} + 322927920000 z^{13}$ $+87459747375 z^{12} + 21419049600 z^{11} + 4712146686 z^{10} + 923881920 z^9$ $+159914925 z^8 + 24148800 z^7 + 3128020 z^6 + 340032 z^5 + 30675 z^4 + 2240 z^3$ $+90 z^2 + 1$	$\{[30, \sqrt{15}]\}$
$\{[63, 2, 59]\}$	$x^4 + x^2 + x + 1$	$5103 z^{60} + 877716 z^{58} + 69159015 z^{56} + 2958500160 z^{54} + 76973439375 z^{52}$ $+1308556055268 z^{50} + 15266460370455 z^{48} + 126621889238880 z^{46}$ $+766395500769675 z^{44} + 3452429486291940 z^{42} + 11749176749064195 z^{40}$ $+30547859766094944 z^{38} + 61182750453661627 z^{36} + 94938750420079860 z^{34}$ $+114539009146768899 z^{32} + 107597250279519168 z^{30}$ $+78663536635960269 z^{28} + 44646871587555132 z^{26} + 19581961572436725 z^{24}$ $+6591001523904000 z^{22} + 1686070226017485 z^{20} + 323589216365100 z^{18}$ $+45799401160485 z^{16} + 4673409112800 z^{14} + 333552494457 z^{12}$ $+15975875916 z^{10} + 484071777 z^8 + 8498784 z^6 + 74025 z^4 + 252 z^2 + 1$	$\left\{ \left[\frac{63}{2}, \frac{3\sqrt{7}}{2} \right] \right\}$
		$5103 z^{60} + 877716 z^{58} + 69159015 z^{56} + 2958500160 z^{54} + 76973439375 z^{52}$ $+1308556055268 z^{50} + 15266460370455 z^{48} + 126621889238880 z^{46}$	

$\{[63, 2, 59]\}$	$x^4 + x^3 + x^2 + 1$	$+766395500769675 z^{44} + 3452429486291940 z^{42} + 11749176749064195 z^{40}$ $+30547859766094944 z^{38} + 61182750453661627 z^{36} + 94938750420079860 z^{34}$ $+114539009146768899 z^{32} + 107597250279519168 z^{30}$ $+78663536635960269 z^{28} + 44646871587555132 z^{26} + 19581961572436725 z^{24}$ $+6591001523904000 z^{22} + 1686070226017485 z^{20} + 323589216365100 z^{18}$ $+45799401160485 z^{16} + 4673409112800 z^{14} + 333552494457 z^{12}$ $+15975875916 z^{10} + 484071777 z^8 + 8498784 z^6 + 74025 z^4 + 252 z^2 + 1$	$\left\{ \left[\frac{63}{2}, \frac{3\sqrt{7}}{2} \right] \right\}$
$\{[64, 2, 60]\}$	$x^4 + 1$	$z^{64} + 480 z^{62} + 93680 z^{60} + 9564832 z^{58} + 553313400 z^{56} + 18926937952 z^{54}$ $+410532984784 z^{52} + 5982064296480 z^{50} + 61065617960732 z^{48}$ $+450210739633248 z^{46} + 2452467888467184 z^{44} + 10043428861365280 z^{42}$ $+31331134380211016 z^{40} + 75194742937498080 z^{38} + 139846279466413392 z^{36}$ $+202535991538673568 z^{34} + 229078037572018758 z^{32}$ $+202535991538673568 z^{30} + 139846279466413392 z^{28}$ $+75194742937498080 z^{26} + 31331134380211016 z^{24} + 10043428861365280 z^{22}$ $+2452467888467184 z^{20} + 450210739633248 z^{18} + 61065617960732 z^{16}$ $+5982064296480 z^{14} + 410532984784 z^{12} + 18926937952 z^{10} + 553313400 z^8$ $+9564832 z^6 + 93680 z^4 + 480 z^2 + 1$	$\{[32, 4]\}$
$\{[65, 2, 61]\}$	$x^4 + x^3 + x^2 + x + 1$	$z^{65} + 390 z^{63} + 64415 z^{61} + 371293 z^{60} + 5869500 z^{59} + 40842230 z^{58} + 323372725 z^{57}$ $+1980848155 z^{56} + 11209286738 z^{55} + 55953855100 z^{54} + 251604774915 z^{53}$ $+1026671556625 z^{52} + 3811550551640 z^{51} + 12960933417666 z^{50}$ $+40504372014925 z^{49} + 116740122154175 z^{48} + 311319615868950 z^{47}$ $+770099536749400 z^{46} + 1771213905768515 z^{45} + 3795500251568025 z^{44}$ $+7590957671311300 z^{43} + 14191784203089350 z^{42} + 24835704928428225 z^{41}$ $+40730441015792047 z^{40} + 62662261368669170 z^{39} + 90512256762811780 z^{38}$ $+122837863859443655 z^{37} + 156724302698746445 z^{36}$ $+188069234940108496 z^{35} + 212335999047862690 z^{34}$ $+225607200031648435 z^{33} + 225607200031648435 z^{32}$ $+212335999047862690 z^{31} + 188069234940108496 z^{30}$ $+156724302698746445 z^{29} + 122837863859443655 z^{28}$ $+90512256762811780 z^{27} + 62662261368669170 z^{26} + 40730441015792047 z^{25}$ $+24835704928428225 z^{24} + 14191784203089350 z^{23} + 7590957671311300 z^{22}$	$\left\{ \left[\frac{65}{2}, \frac{\sqrt{65}}{2} \right] \right\}$

		$+3795500251568025 z^{21} + 1771213905768515 z^{20} + 770099536749400 z^{19}$ $+311319615868950 z^{18} + 116740122154175 z^{17} + 40504372014925 z^{16}$ $+12960933417666 z^{15} + 3811550551640 z^{14} + 1026671556625 z^{13}$ $+251604774915 z^{12} + 55953855100 z^{11} + 11209286738 z^{10} + 1980848155 z^9$ $+323372725 z^8 + 40842230 z^7 + 5869500 z^6 + 371293 z^5 + 64415 z^4 + 390 z^2 + 1$	
$\{[66, 2, 62]\}$	$x^4 + x^2 + 1$	$z^{66} + 330 z^{64} + 2662 z^{63} + 47355 z^{62} + 559020 z^{61} + 5646333 z^{60} + 48690642 z^{59}$ $+358991655 z^{58} + 2313267352 z^{57} + 13187452113 z^{56} + 67130308014 z^{55}$ $+307673296315 z^{54} + 1278056944164 z^{53} + 4838364438765 z^{52}$ $+16772944032570 z^{51} + 53463815632491 z^{50} + 157246462783344 z^{49}$ $+428059547475945 z^{48} + 1081414108465614 z^{47} + 2541323725115175 z^{46}$ $+5566707816249228 z^{45} + 11386447323397905 z^{44} + 21782770398503466 z^{43}$ $+39027462868984755 z^{42} + 65566137450687720 z^{41} + 103392758462990997 z^{40}$ $+153174453708286934 z^{39} + 213350126495063415 z^{38}$ $+279562241457794724 z^{37} + 344793436129240241 z^{36}$ $+400405273428262674 z^{35} + 437943266649073185 z^{34}$ $+451214278564017696 z^{33} + 437943266649073185 z^{32}$ $+400405273428262674 z^{31} + 344793436129240241 z^{30}$ $+279562241457794724 z^{29} + 213350126495063415 z^{28}$ $+153174453708286934 z^{27} + 103392758462990997 z^{26}$ $+65566137450687720 z^{25} + 39027462868984755 z^{24} + 21782770398503466 z^{23}$ $+11386447323397905 z^{22} + 5566707816249228 z^{21} + 2541323725115175 z^{20}$ $+1081414108465614 z^{19} + 428059547475945 z^{18} + 157246462783344 z^{17}$ $+53463815632491 z^{16} + 16772944032570 z^{15} + 4838364438765 z^{14}$ $+1278056944164 z^{13} + 307673296315 z^{12} + 67130308014 z^{11} + 13187452113 z^{10}$ $+2313267352 z^9 + 358991655 z^8 + 48690642 z^7 + 5646333 z^6 + 559020 z^5$ $+47355 z^4 + 2662 z^3 + 330 z^2 + 1$	$\left\{ \left[33, \frac{\sqrt{66}}{2} \right] \right\}$
		$363 z^{64} + 90750 z^{62} + 11347138 z^{60} + 717933414 z^{58} + 26373154434 z^{56}$ $+615356712894 z^{54} + 9676711140162 z^{52} + 106927582987302 z^{50}$ $+856119446140398 z^{48} + 5082646526257014 z^{46} + 22772895824303562 z^{44}$ $+78054925879875582 z^{42} + 206785513281759258 z^{40}$ $+426700260494927958 z^{38} + 689586864269893546 z^{36}$	

$\{[66, 2, 62]\}$	$x^4 + x^3 + x + 1$	$+875886536436629982 z^{34} + 875886537603433092 z^{32}$ $+689586863232735226 z^{30} + 426700261313737158 z^{28}$ $+206785512708592818 z^{26} + 78054926234692902 z^{24} + 22772895630766842 z^{22}$ $+5082646618818054 z^{20} + 856119407573298 z^{18} + 106927596871458 z^{16}$ $+9676706868114 z^{14} + 615357820462 z^{12} + 26372917098 z^{10} + 717974334 z^8$ $+11341682 z^6 + 91278 z^4 + 330 z^2 + 1$	$\left\{ \left[33, \frac{\sqrt{66}}{2} \right] \right\}$
$\{[68, 2, 64]\}$	$x^4 + 1$	$83521 z^{64} + 13363360 z^{62} + 923408176 z^{60} + 36356357216 z^{58} + 910263306936 z^{56}$ $+15404043960864 z^{54} + 183696404111632 z^{52} + 1592034504503264 z^{50}$ $+10264417162403420 z^{48} + 50122374418216480 z^{46} + 187958923112475440 z^{44}$ $+547104955736945888 z^{42} + 1246183586776110728 z^{40}$ $+2234536158341108640 z^{38} + 3167094417739171728 z^{36}$ $+3556630183529969760 z^{34} + 3167094578997118214 z^{32}$ $+2234536018874776544 z^{30} + 1246183590799178000 z^{28}$ $+547105023507640096 z^{26} + 187958882246661640 z^{24}$ $+50122373353309280 z^{22} + 10264427603308720 z^{20} + 1592031159668128 z^{18}$ $+183695806064348 z^{16} + 15404521946464 z^{14} + 910244107408 z^{12}$ $+36331530144 z^{10} + 924629048 z^8 + 13995488 z^6 + 120496 z^4 + 544 z^2 + 1$	$\{[34, \sqrt{17}]\}$
$\{[70, 2, 66]\}$	$x^4 + x^2 + x + 1$	$z^{70} + 315 z^{68} + 113995 z^{66} + 16397745 z^{64} + 1179982440 z^{62} + 49588352632 z^{60}$ $+1329860972440 z^{58} + 24156719902920 z^{56} + 310011243999660 z^{54}$ $+2899516792771620 z^{52} + 20235575645429508 z^{50} + 107309869354260300 z^{48}$ $+438570773484425400 z^{46} + 1396679227378139880 z^{44}$ $+3495392993914401160 z^{42} + 6918467504620825496 z^{40}$ $+10879848098199747030 z^{38} + 13633749039419380690 z^{36}$ $+13633749039419380690 z^{34} + 10879848098199747030 z^{32}$ $+6918467504620825496 z^{30} + 3495392993914401160 z^{28}$ $+1396679227378139880 z^{26} + 438570773484425400 z^{24}$ $+107309869354260300 z^{22} + 20235575645429508 z^{20} + 2899516792771620 z^{18}$ $+310011243999660 z^{16} + 24156719902920 z^{14} + 1329860972440 z^{12}$ $+49588352632 z^{10} + 1179982440 z^8 + 16397745 z^6 + 113995 z^4 + 315 z^2 + 1$	$\left\{ \left[35, \frac{\sqrt{70}}{2} \right] \right\}$
		$z^{70} + 455 z^{68} + 87815 z^{66} + 537824 z^{65} + 9372545 z^{64} + 69917120 z^{63} + 607053720 z^{62}$	

$\{[70, 2, 66]\}$	$x^4 + x^3 + x^2 + x + 1$	$+4020234400 z^{61} + 24873901416 z^{60} + 135179757440 z^{59} + 664745226600 z^{58}$ $+2967497318240 z^{57} + 12076481037080 z^{56} + 45094418917184 z^{55}$ $+155007242646620 z^{54} + 492360775068960 z^{53} + 1449777038657220 z^{52}$ $+3967746567832320 z^{51} + 10117766905420356 z^{50} + 24090044751208800 z^{49}$ $+53654841910897500 z^{48} + 111975529253515200 z^{47}$ $+219285548358949800 z^{46} + 403484812139284512 z^{45}$ $+698339811225452760 z^{44} + 1138035122834296960 z^{43}$ $+1747695893507754200 z^{42} + 2531147225917745120 z^{41}$ $+3459233786668813608 z^{40} + 4463526622492741440 z^{39}$ $+5439925064499923270 z^{38} + 6264154613163443360 z^{37}$ $+6816873809634356650 z^{36} + 7011643589255465472 z^{35}$ $+6816873809634356650 z^{34} + 6264154613163443360 z^{33}$ $+5439925064499923270 z^{32} + 4463526622492741440 z^{31}$ $+3459233786668813608 z^{30} + 2531147225917745120 z^{29}$ $+1747695893507754200 z^{28} + 1138035122834296960 z^{27}$ $+698339811225452760 z^{26} + 403484812139284512 z^{25}$ $+219285548358949800 z^{24} + 111975529253515200 z^{23}$ $+53654841910897500 z^{22} + 24090044751208800 z^{21} + 10117766905420356 z^{20}$ $+3967746567832320 z^{19} + 1449777038657220 z^{18} + 492360775068960 z^{17}$ $+155007242646620 z^{16} + 45094418917184 z^{15} + 12076481037080 z^{14}$ $+2967497318240 z^{13} + 664745226600 z^{12} + 135179757440 z^{11}$ $+24873901416 z^{10} + 4020234400 z^9 + 607053720 z^8 + 69917120 z^7 + 9372545 z^6$ $+537824 z^5 + 87815 z^4 + 455 z^2 + 1$	$\left\{ \left[35, \frac{\sqrt{70}}{2} \right] \right\}$
$\{[70, 2, 66]\}$	$x^4 + x^3 + x^2 + 1$	$z^{70} + 315 z^{68} + 113995 z^{66} + 16397745 z^{64} + 1179982440 z^{62} + 49588352632 z^{60}$ $+1329860972440 z^{58} + 24156719902920 z^{56} + 310011243999660 z^{54}$ $+2899516792771620 z^{52} + 20235575645429508 z^{50} + 107309869354260300 z^{48}$ $+438570773484425400 z^{46} + 1396679227378139880 z^{44}$ $+3495392993914401160 z^{42} + 6918467504620825496 z^{40}$ $+10879848098199747030 z^{38} + 13633749039419380690 z^{36}$ $+13633749039419380690 z^{34} + 10879848098199747030 z^{32}$ $+6918467504620825496 z^{30} + 3495392993914401160 z^{28}$	$\left\{ \left[35, \frac{\sqrt{70}}{2} \right] \right\}$

		$+1396679227378139880 z^{26} + 438570773484425400 z^{24}$ $+107309869354260300 z^{22} + 20235575645429508 z^{20} + 2899516792771620 z^{18}$ $+310011243999660 z^{16} + 24156719902920 z^{14} + 1329860972440 z^{12}$ $+49588352632 z^{10} + 1179982440 z^8 + 16397745 z^6 + 113995 z^4 + 315 z^2 + 1$	
$\{[72, 2, 68]\}$	$x^4 + 1$	$z^{72} + 612 z^{70} + 152694 z^{68} + 20018724 z^{66} + 1497999897 z^{64} + 67007032992 z^{62}$ $+1920357077136 z^{60} + 37353502727712 z^{58} + 514538162219124 z^{56}$ $+5179006110808624 z^{54} + 39006141401079144 z^{52} + 223905342185379504 z^{50}$ $+993782638238890500 z^{48} + 3449190506945801184 z^{46}$ $+9444212042418032112 z^{44} + 20538446783684793696 z^{42}$ $+35652425495131550574 z^{40} + 49570217235381643416 z^{38}$ $+55314067035262410564 z^{36} + 49570217235381643416 z^{34}$ $+35652425495131550574 z^{32} + 20538446783684793696 z^{30}$ $+9444212042418032112 z^{28} + 3449190506945801184 z^{26}$ $+993782638238890500 z^{24} + 223905342185379504 z^{22}$ $+39006141401079144 z^{20} + 5179006110808624 z^{18} + 514538162219124 z^{16}$ $+37353502727712 z^{14} + 1920357077136 z^{12} + 67007032992 z^{10} + 1497999897 z^8$ $+20018724 z^6 + 152694 z^4 + 612 z^2 + 1$	$\{[36, 3\sqrt{2}]\}$
$\{[72, 2, 68]\}$	$x^4 + x^2 + 1$	$z^{72} + 396 z^{70} + 3456 z^{69} + 68310 z^{68} + 874368 z^{67} + 9721548 z^{66} + 92100096 z^{65}$ $+747960345 z^{64} + 5319395840 z^{63} + 33515909856 z^{62} + 188892633600 z^{61}$ $+960193566096 z^{60} + 4431721913856 z^{59} + 18676524889440 z^{58}$ $+72215855236608 z^{57} + 257269213983348 z^{56} + 847474595928576 z^{55}$ $+2589504926433040 z^{54} + 7359647602728960 z^{53} + 19503067314094056 z^{52}$ $+48293305622031360 z^{51} + 111952663767171216 z^{50}$ $+243375358234185216 z^{49} + 496891348669270020 z^{48}$ $+954031398037590528 z^{47} + 1724595238226745504 z^{46}$ $+2938199266844092928 z^{45} + 4722105940466626800 z^{44}$ $+7164574572669820416 z^{43} + 10269223564752845088 z^{42}$ $+13913141571053379072 z^{41} + 17826212661685128558 z^{40}$ $+21607530494346871296 z^{39} + 24785108448515517960 z^{38}$ $+26909546363949420288 z^{37} + 27657033832616549764 z^{36}$ $+26909546363949420288 z^{35} + 24785108448515517960 z^{34}$	$\{[36, 3\sqrt{2}]\}$

		$ \begin{aligned} &+21607530494346871296 z^{33} + 17826212661685128558 z^{32} \\ &+ 13913141571053379072 z^{31} + 10269223564752845088 z^{30} \\ &+ 7164574572669820416 z^{29} + 4722105940466626800 z^{28} \\ &+ 2938199266844092928 z^{27} + 1724595238226745504 z^{26} \\ &+ 954031398037590528 z^{25} + 496891348669270020 z^{24} \\ &+ 243375358234185216 z^{23} + 111952663767171216 z^{22} \\ &+ 48293305622031360 z^{21} + 19503067314094056 z^{20} + 7359647602728960 z^{19} \\ &+ 2589504926433040 z^{18} + 847474595928576 z^{17} + 257269213983348 z^{16} \\ &+ 72215855236608 z^{15} + 18676524889440 z^{14} + 4431721913856 z^{13} \\ &+ 960193566096 z^{12} + 188892633600 z^{11} + 33515909856 z^{10} + 5319395840 z^9 \\ &+ 747960345 z^8 + 92100096 z^7 + 9721548 z^6 + 874368 z^5 + 68310 z^4 + 3456 z^3 \\ &+ 396 z^2 + 1 \end{aligned} $	
$\{[72, 2, 68]\}$	$x^4 + x^3 + x + 1$	$ \begin{aligned} &z^{72} + 396 z^{70} + 130518 z^{68} + 19508940 z^{66} + 1496115225 z^{64} + 67027368672 z^{62} \\ &+ 1920406830480 z^{60} + 37353037884768 z^{58} + 514538202940020 z^{56} \\ &+ 5179010900059920 z^{54} + 39006132555125736 z^{52} + 223905327960471696 z^{50} \\ &+ 993782706302449668 z^{48} + 3449190449469587616 z^{46} \\ &+ 9444211922452482288 z^{44} + 20538447098914492704 z^{42} \\ &+ 35652425307968068974 z^{40} + 49570216970328962568 z^{38} \\ &+ 55314067565267865476 z^{36} + 49570216970328962568 z^{34} \\ &+ 35652425307968068974 z^{32} + 20538447098914492704 z^{30} \\ &+ 9444211922452482288 z^{28} + 3449190449469587616 z^{26} \\ &+ 993782706302449668 z^{24} + 223905327960471696 z^{22} \\ &+ 39006132555125736 z^{20} + 5179010900059920 z^{18} + 514538202940020 z^{16} \\ &+ 37353037884768 z^{14} + 1920406830480 z^{12} + 67027368672 z^{10} + 1496115225 z^8 \\ &+ 19508940 z^6 + 130518 z^4 + 396 z^2 + 1 \end{aligned} $	$\{[36, 3\sqrt{2}]\}$
		$ \begin{aligned} &z^{75} + 150 z^{73} + 4375 z^{72} + 76200 z^{71} + 1076250 z^{70} + 12584250 z^{69} + 124077000 z^{68} \\ &+ 1054431375 z^{67} + 7849541750 z^{66} + 51808350000 z^{65} + 306140366025 z^{64} \\ &+ 1632741812000 z^{63} + 7912519582800 z^{62} + 35041185978000 z^{61} \\ &+ 142500809528160 z^{60} + 534377940080100 z^{59} + 1854605859049200 z^{58} \\ &+ 5975952492680200 z^{57} + 17927857225871100 z^{56} + 50197999526364480 z^{55} \\ &+ 131470951913798200 z^{54} + 322701428965303800 z^{53} \end{aligned} $	

$\{[75, 2, 71]\}$	x^4+x+1	$ \begin{aligned} &+743616334310342400 z^{52}+1611168721418493900 z^{51} \\ &+3286784196149700168 z^{50}+6320738843563568400 z^{49} \\ &+11470970485226993300 z^{48}+19664520824940352800 z^{47} \\ &+31870085489654060400 z^{46}+48867464425905775280 z^{45} \\ &+70936641886325781600 z^{44}+97537882584998101950 z^{43} \\ &+127094816731454581200 z^{42}+156999479498961416100 z^{41} \\ &+183913675948981809810 z^{40}+204348528828221688400 z^{39} \\ &+215394395289128082300 z^{38}+215394395289128082300 z^{37} \\ &+204348528828221688400 z^{36}+183913675948981809810 z^{35} \\ &+156999479498961416100 z^{34}+127094816731454581200 z^{33} \\ &+97537882584998101950 z^{32}+70936641886325781600 z^{31} \\ &+48867464425905775280 z^{30}+31870085489654060400 z^{29} \\ &+19664520824940352800 z^{28}+11470970485226993300 z^{27} \\ &+6320738843563568400 z^{26}+3286784196149700168 z^{25} \\ &+1611168721418493900 z^{24}+743616334310342400 z^{23} \\ &+322701428965303800 z^{22}+131470951913798200 z^{21} \\ &+50197999526364480 z^{20}+17927857225871100 z^{19}+5975952492680200 z^{18} \\ &+1854605859049200 z^{17}+534377940080100 z^{16}+142500809528160 z^{15} \\ &+35041185978000 z^{14}+7912519582800 z^{13}+1632741812000 z^{12} \\ &+306140366025 z^{11}+51808350000 z^{10}+7849541750 z^9+1054431375 z^8 \\ &+124077000 z^7+12584250 z^6+1076250 z^5+76200 z^4+4375 z^3+150 z^2+1 \end{aligned} $	$ \left\{ \left[\frac{75}{2}, \frac{5\sqrt{3}}{2} \right] \right\} $
		$ \begin{aligned} &z^{75}+525 z^{73}+117075 z^{71}+759375 z^{70}+14467775 z^{69}+115171875 z^{68} \\ &+1088401800 z^{67}+7747228125 z^{66}+52040705640 z^{65}+305800340625 z^{64} \\ &+1632757326200 z^{63}+7914159435000 z^{62}+35035864752600 z^{61} \\ &+142509920735000 z^{60}+534372486180300 z^{59}+1854588335637000 z^{58} \\ &+5976014618107100 z^{57}+17927763234873000 z^{56}+50198032739726340 z^{55} \\ &+131471131631539700 z^{54}+322700980769082900 z^{53} \\ &+743616789950700900 z^{52}+1611168853477786200 z^{51} \\ &+3286783007700215868 z^{50}+6320740643419620600 z^{49} \\ &+11470969692662416300 z^{48}+19664518953733060200 z^{47} \\ &+31870089696681647400 z^{46}+48867461028213136520 z^{45} \end{aligned} $	

$\{[75, 2, 71]\}$	$x^4 + x^3 + x^2 + x + 1$	$ \begin{aligned} &+70936640580911953800 z^{44} + 97537889236680530550 z^{43} \\ &+127094809408093592600 z^{42} + 156999480723265953150 z^{41} \\ &+183913683137315372280 z^{40} + 204348518513010828450 z^{39} \\ &+215394400108969900650 z^{38} + 215394400108969900650 z^{37} \\ &+204348518513010828450 z^{36} + 183913683137315372280 z^{35} \\ &+156999480723265953150 z^{34} + 127094809408093592600 z^{33} \\ &+97537889236680530550 z^{32} + 70936640580911953800 z^{31} \\ &+48867461028213136520 z^{30} + 31870089696681647400 z^{29} \\ &+19664518953733060200 z^{28} + 11470969692662416300 z^{27} \\ &+6320740643419620600 z^{26} + 3286783007700215868 z^{25} \\ &+1611168853477786200 z^{24} + 743616789950700900 z^{23} \\ &+322700980769082900 z^{22} + 131471131631539700 z^{21} \\ &+50198032739726340 z^{20} + 17927763234873000 z^{19} + 5976014618107100 z^{18} \\ &+1854588335637000 z^{17} + 534372486180300 z^{16} + 142509920735000 z^{15} \\ &+35035864752600 z^{14} + 7914159435000 z^{13} + 1632757326200 z^{12} \\ &+305800340625 z^{11} + 52040705640 z^{10} + 7747228125 z^9 + 1088401800 z^8 \\ &+115171875 z^7 + 14467775 z^6 + 759375 z^5 + 117075 z^4 + 525 z^2 + 1 \end{aligned} $	$ \left\{ \left[\frac{75}{2}, \frac{5\sqrt{3}}{2} \right] \right\} $
$\{[75, 2, 71]\}$	$x^4 + x^3 + 1$	$ \begin{aligned} &z^{75} + 150 z^{73} + 4375 z^{72} + 76200 z^{71} + 1076250 z^{70} + 12584250 z^{69} + 124077000 z^{68} \\ &+ 1054431375 z^{67} + 7849541750 z^{66} + 51808350000 z^{65} + 306140366025 z^{64} \\ &+ 1632741812000 z^{63} + 7912519582800 z^{62} + 35041185978000 z^{61} \\ &+ 142500809528160 z^{60} + 534377940080100 z^{59} + 1854605859049200 z^{58} \\ &+ 5975952492680200 z^{57} + 17927857225871100 z^{56} + 50197999526364480 z^{55} \\ &+ 131470951913798200 z^{54} + 322701428965303800 z^{53} \\ &+ 743616334310342400 z^{52} + 1611168721418493900 z^{51} \\ &+ 3286784196149700168 z^{50} + 6320738843563568400 z^{49} \\ &+ 11470970485226993300 z^{48} + 19664520824940352800 z^{47} \\ &+ 31870085489654060400 z^{46} + 48867464425905775280 z^{45} \\ &+ 70936641886325781600 z^{44} + 97537882584998101950 z^{43} \\ &+ 127094816731454581200 z^{42} + 156999479498961416100 z^{41} \\ &+ 183913675948981809810 z^{40} + 204348528828221688400 z^{39} \\ &+ 215394395289128082300 z^{38} + 215394395289128082300 z^{37} \end{aligned} $	$ \left\{ \left[\frac{75}{2}, \frac{5\sqrt{3}}{2} \right] \right\} $

		$+204348528828221688400 z^{36} + 183913675948981809810 z^{35}$ $+156999479498961416100 z^{34} + 127094816731454581200 z^{33}$ $+97537882584998101950 z^{32} + 70936641886325781600 z^{31}$ $+48867464425905775280 z^{30} + 31870085489654060400 z^{29}$ $+19664520824940352800 z^{28} + 11470970485226993300 z^{27}$ $+6320738843563568400 z^{26} + 3286784196149700168 z^{25}$ $+1611168721418493900 z^{24} + 743616334310342400 z^{23}$ $+322701428965303800 z^{22} + 131470951913798200 z^{21}$ $+50197999526364480 z^{20} + 17927857225871100 z^{19} + 5975952492680200 z^{18}$ $+1854605859049200 z^{17} + 534377940080100 z^{16} + 142500809528160 z^{15}$ $+35041185978000 z^{14} + 7912519582800 z^{13} + 1632741812000 z^{12}$ $+306140366025 z^{11} + 51808350000 z^{10} + 7849541750 z^9 + 1054431375 z^8$ $+124077000 z^7 + 12584250 z^6 + 1076250 z^5 + 76200 z^4 + 4375 z^3 + 150 z^2 + 1$	
$\{[76, 2, 72]\}$	$x^4 + 1$	$130321 z^{72} + 26585484 z^{70} + 2352815334 z^{68} + 119342237676 z^{66}$ $+3877920424601 z^{64} + 85906631526624 z^{62} + 1353756134163984 z^{60}$ $+15661128558320736 z^{58} + 136251704548600116 z^{56}$ $+908344691651182864 z^{54} + 4709570294657575080 z^{52}$ $+19215046059289186320 z^{50} + 62270982030662307716 z^{48}$ $+161475100749350833824 z^{46} + 336949049043850528368 z^{44}$ $+568188590572204550688 z^{42} + 776524411708264227022 z^{40}$ $+861577581073403195400 z^{38} + 776524407557740661988 z^{36}$ $+568188594216566705352 z^{34} + 336949048941762159342 z^{32}$ $+161475098845413452576 z^{30} + 62270983250322102384 z^{28}$ $+19215046078258407840 z^{26} + 4709569938159503556 z^{24}$ $+908344827849586320 z^{22} + 136251723866439336 z^{20}$ $+15661104429821584 z^{18} + 1353758967988980 z^{16} + 85908170143584 z^{14}$ $+3877611315216 z^{12} + 119289068000 z^{10} + 2361210921 z^8 + 28062924 z^6$ $+190950 z^4 + 684 z^2 + 1$	$\{[38, \sqrt{19}]\}$
		$9317 z^{74} + 2469005 z^{72} + 300590378 z^{70} + 20165509826 z^{68} + 835209318713 z^{66}$ $+22968308018425 z^{64} + 440991314183728 z^{62} + 6131725397315056 z^{60}$ $+63468735298415524 z^{58} + 499589618355911556 z^{56}$	

$\{[77, 2, 73]\}$	$x^4 + x^2 + x + 1$	$+3040980284438898648 z^{54} + 14505475952991927288 z^{52}$ $+54798464728086275812 z^{50} + 165340195260094194340 z^{48}$ $+401083312444609015760 z^{46} + 786214447586522695440 z^{44}$ $+1250014903344279369990 z^{42} + 1616010257806062711670 z^{40}$ $+1701063429367043352380 z^{38} + 1458350720481722074700 z^{36}$ $+1017453991058453507790 z^{34} + 576557261600842718350 z^{32}$ $+264544312432893816400 z^{30} + 97854401296845303440 z^{28}$ $+29010951903495979956 z^{26} + 6842205643441057428 z^{24}$ $+1271682662437741400 z^{22} + 184059333652869752 z^{20}$ $+20439084132541844 z^{18} + 1708841512029652 z^{16} + 104997936930480 z^{14}$ $+4593659114352 z^{12} + 137124570429 z^{10} + 2630171621 z^8 + 29648234 z^6$ $+168322 z^4 + 385 z^2 + 1$	$\left\{ \left[\frac{77}{2}, \frac{\sqrt{77}}{2} \right] \right\}$
$\{[77, 2, 73]\}$	$x^4 + x^3 + x^2 + 1$	$9317 z^{74} + 2469005 z^{72} + 300590378 z^{70} + 20165509826 z^{68} + 835209318713 z^{66}$ $+22968308018425 z^{64} + 440991314183728 z^{62} + 6131725397315056 z^{60}$ $+63468735298415524 z^{58} + 499589618355911556 z^{56}$ $+3040980284438898648 z^{54} + 14505475952991927288 z^{52}$ $+54798464728086275812 z^{50} + 165340195260094194340 z^{48}$ $+401083312444609015760 z^{46} + 786214447586522695440 z^{44}$ $+1250014903344279369990 z^{42} + 1616010257806062711670 z^{40}$ $+1701063429367043352380 z^{38} + 1458350720481722074700 z^{36}$ $+1017453991058453507790 z^{34} + 576557261600842718350 z^{32}$ $+264544312432893816400 z^{30} + 97854401296845303440 z^{28}$ $+29010951903495979956 z^{26} + 6842205643441057428 z^{24}$ $+1271682662437741400 z^{22} + 184059333652869752 z^{20}$ $+20439084132541844 z^{18} + 1708841512029652 z^{16} + 104997936930480 z^{14}$ $+4593659114352 z^{12} + 137124570429 z^{10} + 2630171621 z^8 + 29648234 z^6$ $+168322 z^4 + 385 z^2 + 1$	$\left\{ \left[\frac{77}{2}, \frac{\sqrt{77}}{2} \right] \right\}$
		$z^{78} + 468 z^{76} + 4394 z^{75} + 95550 z^{74} + 1318200 z^{73} + 16001245 z^{72} + 165170460 z^{71}$ $+1465059765 z^{70} + 11397596600 z^{69} + 78649848030 z^{68} + 486166330650 z^{67}$ $+2714419491940 z^{66} + 13780992189120 z^{65} + 63983078194425 z^{64}$ $+272994604407200 z^{63} + 1074916903088340 z^{62} + 3920283383440320 z^{61}$	

$\{[78, 2, 74]\}$	$x^4 + x^2 + 1$	$ \begin{aligned} &+13285403130825280 z^{60} + 41953910380878600 z^{59} + 123764036252936040 z^{58} \\ &+ 341824473746256800 z^{57} + 885636146573863620 z^{56} \\ &+ 2156331477471110160 z^{55} + 4941592931579929300 z^{54} \\ &+ 10673840796495895200 z^{53} + 21758214000186439464 z^{52} \\ &+ 41904708304446731432 z^{51} + 76326432930847870368 z^{50} \\ &+ 131597298314543630400 z^{49} + 214942253839725046180 z^{48} \\ &+ 332813812380720609120 z^{47} + 488820287231825320590 z^{46} \\ &+ 681385854645961774400 z^{45} + 901834218907989767400 z^{44} \\ &+ 1133734447193224831500 z^{43} + 1354182812348666116180 z^{42} \\ &+ 1537180489093940767440 z^{41} + 1658536843398335319510 z^{40} \\ &+ 1701063429444004543400 z^{39} + 1658536843398335319510 z^{38} \\ &+ 1537180489093940767440 z^{37} + 1354182812348666116180 z^{36} \\ &+ 1133734447193224831500 z^{35} + 901834218907989767400 z^{34} \\ &+ 681385854645961774400 z^{33} + 488820287231825320590 z^{32} \\ &+ 332813812380720609120 z^{31} + 214942253839725046180 z^{30} \\ &+ 131597298314543630400 z^{29} + 76326432930847870368 z^{28} \\ &+ 41904708304446731432 z^{27} + 21758214000186439464 z^{26} \\ &+ 10673840796495895200 z^{25} + 4941592931579929300 z^{24} \\ &+ 2156331477471110160 z^{23} + 885636146573863620 z^{22} \\ &+ 341824473746256800 z^{21} + 123764036252936040 z^{20} \\ &+ 41953910380878600 z^{19} + 13285403130825280 z^{18} + 3920283383440320 z^{17} \\ &+ 1074916903088340 z^{16} + 272994604407200 z^{15} + 63983078194425 z^{14} \\ &+ 13780992189120 z^{13} + 2714419491940 z^{12} + 486166330650 z^{11} \\ &+ 78649848030 z^{10} + 11397596600 z^9 + 1465059765 z^8 + 165170460 z^7 \\ &+ 16001245 z^6 + 1318200 z^5 + 95550 z^4 + 4394 z^3 + 468 z^2 + 1 \end{aligned} $	$ \left\{ \left[39, \frac{\sqrt{78}}{2} \right] \right\} $
		$ \begin{aligned} &507 z^{76} + 180492 z^{74} + 32090227 z^{72} + 2930670912 z^{70} + 157291823481 z^{68} \\ &+ 5428862780276 z^{66} + 127966230603081 z^{64} + 2149832989938816 z^{62} \\ &+ 26570809048803916 z^{60} + 247528068984426672 z^{58} \\ &+ 1771272285382116972 z^{56} + 9883185909475112832 z^{54} \\ &+ 43516427897122590036 z^{52} + 152652865970353771152 z^{50} \\ &+ 429884507725028650580 z^{48} + 977640574081876398720 z^{46} \end{aligned} $	

$\{[78, 2, 74]\}$	x^4+x^3+x+1	$+1803668438533950614730 z^{44}+2708365623946701104360 z^{42}$ $+3317073687140701381530 z^{40}+3317073687071778117120 z^{38}$ $+2708365624009060248350 z^{36}+1803668438482929496920 z^{34}$ $+977640574119587659710 z^{32}+429884507699887809920 z^{30}$ $+152652865985438275548 z^{28}+43516427889000164592 z^{26}$ $+9883185913385910268 z^{24}+1771272283706060928 z^{22}$ $+247528069620172068 z^{20}+26570808836888784 z^{18}+2149833051462564 z^{16}$ $+127966215222144 z^{14}+5428866042899 z^{12}+157291247724 z^{10}$ $+2930753163 z^8+32081088 z^6+181233 z^4+468 z^2+1$	$\left\{\left[39, \frac{\sqrt{78}}{2}\right]\right\}$
$\{[80, 2, 76]\}$	x^4+1	$z^{80}+760 z^{78}+235980 z^{76}+38637640 z^{74}+3631784830 z^{72}+205780486024 z^{70}$ $+7530482084460 z^{68}+188520054001080 z^{66}+3369782898930925 z^{64}$ $+44401752385170400 z^{62}+441914506630804720 z^{60}$ $+3386098466369882400 z^{58}+20279783778017924200 z^{56}$ $+96094976472867794080 z^{54}+363788129331006890160 z^{52}$ $+1108926564992377123936 z^{50}+2738780328380906117650 z^{48}$ $+5506852439417833482000 z^{46}+9046971846136292779560 z^{44}$ $+12174161261375996369520 z^{42}+13438401104607182418484 z^{40}$ $+12174161261375996369520 z^{38}+9046971846136292779560 z^{36}$ $+5506852439417833482000 z^{34}+2738780328380906117650 z^{32}$ $+1108926564992377123936 z^{30}+363788129331006890160 z^{28}$ $+96094976472867794080 z^{26}+20279783778017924200 z^{24}$ $+3386098466369882400 z^{22}+441914506630804720 z^{20}$ $+44401752385170400 z^{18}+3369782898930925 z^{16}+188520054001080 z^{14}$ $+7530482084460 z^{12}+205780486024 z^{10}+3631784830 z^8+38637640 z^6$ $+235980 z^4+760 z^2+1$	$\{[40, 2\sqrt{5}]\}$
		$z^{80}+600 z^{78}+153100 z^{76}+1048576 z^{75}+21688040 z^{74}+183500800 z^{73}$ $+1875447550 z^{72}+14276362240 z^{71}+103488915240 z^{70}+653708492800 z^{69}$ $+3766600608940 z^{68}+19697751818240 z^{67}+94247833701400 z^{66}$ $+414771409059840 z^{65}+1684848194152685 z^{64}+6343112754462720 z^{63}$ $+22201028101050720 z^{62}+72444642758492160 z^{61}+220957686830752240 z^{60}$ $+631306520079892480 z^{59}+1693047819311573920 z^{58}$	

$\{[80, 2, 76]\}$	$x^4 + x^3 + x^2 + x + 1$	$ \begin{aligned} &+4269430798307819520 z^{57} + 10139890073596376680 z^{56} \\ &+22713356121756663808 z^{55} + 48047496574706988320 z^{54} \\ &+96094966867390627840 z^{53} + 181894065336256197040 z^{52} \\ &+326154888103770193920 z^{51} + 554463255489453061088 z^{50} \\ &+894295636240844718080 z^{49} + 1369390182801083008530 z^{48} \\ &+1991840189762114682880 z^{47} + 2753426263674975872080 z^{46} \\ &+3618788743287983308800 z^{45} + 4523485860566340643240 z^{44} \\ &+5379280641256419491840 z^{43} + 6087080606526519669040 z^{42} \\ &+6555317549627070218240 z^{41} + 6719200641866781988660 z^{40} \\ &+6555317549627070218240 z^{39} + 6087080606526519669040 z^{38} \\ &+5379280641256419491840 z^{37} + 4523485860566340643240 z^{36} \\ &+3618788743287983308800 z^{35} + 2753426263674975872080 z^{34} \\ &+1991840189762114682880 z^{33} + 1369390182801083008530 z^{32} \\ &+894295636240844718080 z^{31} + 554463255489453061088 z^{30} \\ &+326154888103770193920 z^{29} + 181894065336256197040 z^{28} \\ &+96094966867390627840 z^{27} + 48047496574706988320 z^{26} \\ &+22713356121756663808 z^{25} + 10139890073596376680 z^{24} \\ &+4269430798307819520 z^{23} + 1693047819311573920 z^{22} \\ &+631306520079892480 z^{21} + 220957686830752240 z^{20} \\ &+72444642758492160 z^{19} + 22201028101050720 z^{18} + 6343112754462720 z^{17} \\ &+1684848194152685 z^{16} + 414771409059840 z^{15} + 94247833701400 z^{14} \\ &+19697751818240 z^{13} + 3766600608940 z^{12} + 653708492800 z^{11} \\ &+103488915240 z^{10} + 14276362240 z^9 + 1875447550 z^8 + 183500800 z^7 \\ &+21688040 z^6 + 1048576 z^5 + 153100 z^4 + 600 z^2 + 1 \end{aligned} $	$\{[40, 2\sqrt{5}]\}$
		$ \begin{aligned} &194481 z^{80} + 49268520 z^{78} + 5434317756 z^{76} + 345152571960 z^{74} \\ &+14124803716366 z^{72} + 396715880887704 z^{70} + 7983912107030076 z^{68} \\ &+118871818955189384 z^{66} + 1341999958565302701 z^{64} \\ &+11711998266079384224 z^{62} + 80244165919992323760 z^{60} \\ &+437022073769769188064 z^{58} + 1911104448741247478184 z^{56} \\ &+6765749103419105739744 z^{54} + 19519731805813418270448 z^{52} \\ &+46137547836024431453856 z^{50} + 89711898620459316309682 z^{48} \end{aligned} $	

{[84, 2, 80]}	x^4+1	$ \begin{aligned} &+143947399258293809224368 z^{46}+191007125822408674282056 z^{44} \\ &+209863810776284539578000 z^{42}+191007125929678104070164 z^{40} \\ &+143947399162943204968272 z^{38}+89711898623037501974408 z^{36} \\ &+46137547888875081185904 z^{34}+19519731770311294787538 z^{32} \\ &+6765749103142750219296 z^{30}+1911104460315669915504 z^{28} \\ &+437022068744987044704 z^{26}+80244165344524973736 z^{24} \\ &+11711999312263734624 z^{22}+1341999765424622640 z^{20} \\ &+118871745907783456 z^{18}+7983939375347229 z^{16}+396717708511080 z^{14} \\ &+14123423409116 z^{12}+345103261944 z^{10}+5464552590 z^8+52343256 z^6 \\ &+288540 z^4+840 z^2+1 \end{aligned} $	$\{[42, \sqrt{21}]\}$
{[84, 2, 80]}	x^4+x^2+1	$ \begin{aligned} &z^{84}+546 z^{82}+5488 z^{81}+130221 z^{80}+1926288 z^{79}+25351704 z^{78}+283164336 z^{77} \\ &+2723835114 z^{76}+23008409424 z^{75}+172572620220 z^{74}+1160882508240 z^{73} \\ &+7062042757770 z^{72}+39112948995120 z^{71}+198358223704920 z^{70} \\ &+925672494957840 z^{69}+3991964064407865 z^{68}+15967851194680560 z^{67} \\ &+59435888254912890 z^{66}+206461518744761280 z^{65} \\ &+670999929570615645 z^{64}+2044952165173769280 z^{63} \\ &+5855999428291914720 z^{62}+15785737505322482880 z^{61} \\ &+40122082701578306520 z^{60}+96292998767436045120 z^{59} \\ &+218511035819258534352 z^{58}+469394076477506660928 z^{57} \\ &+955552227211848981912 z^{56}+1845204301047678062016 z^{55} \\ &+3382874551071896562528 z^{54}+5892749218871559874368 z^{53} \\ &+9759865895634996759618 z^{52}+15379182620807501635776 z^{51} \\ &+23068773928940459176548 z^{50}+32955391330822235676960 z^{49} \\ &+44855949312364021478010 z^{48}+58191501807806987823840 z^{47} \\ &+71973699606406611009360 z^{46}+84892055945651525481120 z^{45} \\ &+95503562933858287937820 z^{44}+102491628518394806755680 z^{43} \\ &+104931905393685129356520 z^{42}+102491628518394806755680 z^{41} \\ &+95503562933858287937820 z^{40}+84892055945651525481120 z^{39} \\ &+71973699606406611009360 z^{38}+58191501807806987823840 z^{37} \\ &+44855949312364021478010 z^{36}+32955391330822235676960 z^{35} \\ &+23068773928940459176548 z^{34}+15379182620807501635776 z^{33} \end{aligned} $	$\{[42, \sqrt{21}]\}$

		$ \begin{aligned} &+9759865895634996759618 z^{32} + 5892749218871559874368 z^{31} \\ &+3382874551071896562528 z^{30} + 1845204301047678062016 z^{29} \\ &+955552227211848981912 z^{28} + 469394076477506660928 z^{27} \\ &+218511035819258534352 z^{26} + 96292998767436045120 z^{25} \\ &+40122082701578306520 z^{24} + 15785737505322482880 z^{23} \\ &+5855999428291914720 z^{22} + 2044952165173769280 z^{21} \\ &+670999929570615645 z^{20} + 206461518744761280 z^{19} \\ &+59435888254912890 z^{18} + 15967851194680560 z^{17} + 3991964064407865 z^{16} \\ &+925672494957840 z^{15} + 198358223704920 z^{14} + 39112948995120 z^{13} \\ &+7062042757770 z^{12} + 1160882508240 z^{11} + 172572620220 z^{10} \\ &+23008409424 z^9 + 2723835114 z^8 + 283164336 z^7 + 25351704 z^6 + 1926288 z^5 \\ &+130221 z^4 + 5488 z^3 + 546 z^2 + 1 \end{aligned} $	
$\{[84, 2, 80]\}$	$x^4 + x^2 + x + 1$	$ \begin{aligned} &z^{84} + 462 z^{82} + 240093 z^{80} + 50825544 z^{78} + 5449276602 z^{76} + 345128709156 z^{74} \\ &+ 14124111539930 z^{72} + 396716791280904 z^{70} + 7983925805267433 z^{68} \\ &+ 118871782063166902 z^{66} + 1341999863408138781 z^{64} \\ &+ 11711998785116599200 z^{62} + 80244165641116542744 z^{60} \\ &+ 437022071243460788400 z^{58} + 1911104454539575978968 z^{56} \\ &+ 6765749103297788185120 z^{54} + 19519731787968420043266 z^{52} \\ &+ 46137547862688367774332 z^{50} + 89711898621302699267610 z^{48} \\ &+ 143947399211292854404080 z^{46} + 191007125875187195753340 z^{44} \\ &+ 209863810777210367140440 z^{42} + 191007125875187195753340 z^{40} \\ &+ 143947399211292854404080 z^{38} + 89711898621302699267610 z^{36} \\ &+ 46137547862688367774332 z^{34} + 19519731787968420043266 z^{32} \\ &+ 6765749103297788185120 z^{30} + 1911104454539575978968 z^{28} \\ &+ 437022071243460788400 z^{26} + 80244165641116542744 z^{24} \\ &+ 11711998785116599200 z^{22} + 1341999863408138781 z^{20} \\ &+ 118871782063166902 z^{18} + 7983925805267433 z^{16} + 396716791280904 z^{14} \\ &+ 14124111539930 z^{12} + 345128709156 z^{10} + 5449276602 z^8 + 50825544 z^6 \\ &+ 240093 z^4 + 462 z^2 + 1 \end{aligned} $	$\{[42, \sqrt{21}]\}$
		$ \begin{aligned} &z^{84} + 462 z^{82} + 240093 z^{80} + 50825544 z^{78} + 5449276602 z^{76} + 345128709156 z^{74} \\ &+ 14124111539930 z^{72} + 396716791280904 z^{70} + 7983925805267433 z^{68} \end{aligned} $	

$\{[84, 2, 80]\}$	$x^4 + x^3 + x^2 + 1$	$ \begin{aligned} &+118871782063166902 z^{66} + 1341999863408138781 z^{64} \\ &+11711998785116599200 z^{62} + 80244165641116542744 z^{60} \\ &+437022071243460788400 z^{58} + 1911104454539575978968 z^{56} \\ &+6765749103297788185120 z^{54} + 19519731787968420043266 z^{52} \\ &+46137547862688367774332 z^{50} + 89711898621302699267610 z^{48} \\ &+143947399211292854404080 z^{46} + 191007125875187195753340 z^{44} \\ &+209863810777210367140440 z^{42} + 191007125875187195753340 z^{40} \\ &+143947399211292854404080 z^{38} + 89711898621302699267610 z^{36} \\ &+46137547862688367774332 z^{34} + 19519731787968420043266 z^{32} \\ &+6765749103297788185120 z^{30} + 1911104454539575978968 z^{28} \\ &+437022071243460788400 z^{26} + 80244165641116542744 z^{24} \\ &+11711998785116599200 z^{22} + 1341999863408138781 z^{20} \\ &+118871782063166902 z^{18} + 7983925805267433 z^{16} + 396716791280904 z^{14} \\ &+14124111539930 z^{12} + 345128709156 z^{10} + 5449276602 z^8 + 50825544 z^6 \\ &+240093 z^4 + 462 z^2 + 1 \end{aligned} $	$\{[42, \sqrt{21}]\}$
$\{[84, 2, 80]\}$	$x^4 + x^3 + x + 1$	$ \begin{aligned} &z^{84} + 546 z^{82} + 245469 z^{80} + 50783096 z^{78} + 5449104570 z^{76} + 345131211516 z^{74} \\ &+14124109002458 z^{72} + 396716719845816 z^{70} + 7983926242320105 z^{68} \\ &+118871781157975930 z^{66} + 1341999861718504989 z^{64} \\ &+11711998801797901152 z^{62} + 80244165588649864984 z^{60} \\ &+437022071328502160592 z^{58} + 1911104454518078596056 z^{56} \\ &+6765749103033766523104 z^{54} + 19519731788737185871362 z^{52} \\ &+46137547861485056341092 z^{50} + 89711898622415075329050 z^{48} \\ &+143947399210968095018640 z^{46} + 191007125874480784837500 z^{44} \\ &+209863810778394031830120 z^{42} + 191007125874480784837500 z^{40} \\ &+143947399210968095018640 z^{38} + 89711898622415075329050 z^{36} \\ &+46137547861485056341092 z^{34} + 19519731788737185871362 z^{32} \\ &+6765749103033766523104 z^{30} + 1911104454518078596056 z^{28} \\ &+437022071328502160592 z^{26} + 80244165588649864984 z^{24} \\ &+11711998801797901152 z^{22} + 1341999861718504989 z^{20} \\ &+118871781157975930 z^{18} + 7983926242320105 z^{16} + 396716719845816 z^{14} \\ &+14124109002458 z^{12} + 345131211516 z^{10} + 5449104570 z^8 + 50783096 z^6 \end{aligned} $	$\{[42, \sqrt{21}]\}$

		$+245469 z^4 + 546 z^2 + 1$	
$\{[85, 2, 81]\}$	$x^4 + x^3 + x^2 + x + 1$	$z^{85} + 680 z^{83} + 196860 z^{81} + 1419857 z^{80} + 31690040 z^{79} + 283971400 z^{78}$ $+ 3121552750 z^{77} + 25301851740 z^{76} + 196894844696 z^{75} + 1330292420440 z^{74}$ $+ 8228097344380 z^{73} + 46172769938670 z^{72} + 237452548481160 z^{71}$ $+ 1124105273648120 z^{70} + 4917481445883325 z^{69} + 19959970178223900 z^{68}$ $+ 75403892459837600 z^{67} + 265896449155245800 z^{66}$ $+ 877463388333619120 z^{65} + 2715950397214218285 z^{64}$ $+ 7900949787679428320 z^{63} + 21641745597675515680 z^{62}$ $+ 55907806486159193640 z^{61} + 136415088145903054128 z^{60}$ $+ 314804053901783828960 z^{59} + 687905060796909532000 z^{58}$ $+ 1424946356382108926960 z^{57} + 2800756538329576416040 z^{56}$ $+ 5228078735089550675616 z^{55} + 9275623945635665919840 z^{54}$ $+ 15652615036596619322450 z^{53} + 25139048346815878407280 z^{52}$ $+ 38447956922593781570480 z^{51} + 56024164970908325136928 z^{50}$ $+ 77811340528981641470920 z^{49} + 103047451668104631429490 z^{48}$ $+ 130165200821888776124560 z^{47} + 156865755647698919725680 z^{46}$ $+ 180395619454052601335380 z^{45} + 197995190638302759361800 z^{44}$ $+ 207423534289438823941200 z^{43} + 207423534289438823941200 z^{42}$ $+ 197995190638302759361800 z^{41} + 180395619454052601335380 z^{40}$ $+ 156865755647698919725680 z^{39} + 130165200821888776124560 z^{38}$ $+ 103047451668104631429490 z^{37} + 77811340528981641470920 z^{36}$ $+ 56024164970908325136928 z^{35} + 38447956922593781570480 z^{34}$ $+ 25139048346815878407280 z^{33} + 15652615036596619322450 z^{32}$ $+ 9275623945635665919840 z^{31} + 5228078735089550675616 z^{30}$ $+ 2800756538329576416040 z^{29} + 1424946356382108926960 z^{28}$ $+ 687905060796909532000 z^{27} + 314804053901783828960 z^{26}$ $+ 136415088145903054128 z^{25} + 55907806486159193640 z^{24}$ $+ 21641745597675515680 z^{23} + 7900949787679428320 z^{22}$ $+ 2715950397214218285 z^{21} + 877463388333619120 z^{20}$ $+ 265896449155245800 z^{19} + 75403892459837600 z^{18} + 19959970178223900 z^{17}$ $+ 4917481445883325 z^{16} + 1124105273648120 z^{15} + 237452548481160 z^{14}$	$\left\{ \left[\frac{85}{2}, \frac{\sqrt{85}}{2} \right] \right\}$

		$+46172769938670 z^{13} + 8228097344380 z^{12} + 1330292420440 z^{11}$ $+196894844696 z^{10} + 25301851740 z^9 + 3121552750 z^8 + 283971400 z^7$ $+31690040 z^6 + 1419857 z^5 + 196860 z^4 + 680 z^2 + 1$	
$\{[88, 2, 84]\}$	$x^4 + 1$	$z^{88} + 924 z^{86} + 349426 z^{84} + 69881196 z^{82} + 8060586567 z^{80} + 564213382040 z^{78}$ $+25670259026412 z^{76} + 803996733366552 z^{74} + 18096663971115763 z^{72}$ $+302320206797823676 z^{70} + 3842649102166704522 z^{68}$ $+37894180254932778924 z^{66} + 294503676376241161973 z^{64}$ $+1826828945658010598304 z^{62} + 9138977660964179728656 z^{60}$ $+37186184937989527288992 z^{58} + 123928958955784269140634 z^{56}$ $+340197142465340281881144 z^{54} + 772733509280514993939332 z^{52}$ $+1457531483691987421025880 z^{50} + 2289071881923747051972918 z^{48}$ $+2998923441112518710797072 z^{46} + 3281063172379371010197000 z^{44}$ $+2998923441112518710797072 z^{42} + 2289071881923747051972918 z^{40}$ $+1457531483691987421025880 z^{38} + 772733509280514993939332 z^{36}$ $+340197142465340281881144 z^{34} + 123928958955784269140634 z^{32}$ $+37186184937989527288992 z^{30} + 9138977660964179728656 z^{28}$ $+1826828945658010598304 z^{26} + 294503676376241161973 z^{24}$ $+37894180254932778924 z^{22} + 3842649102166704522 z^{20}$ $+302320206797823676 z^{18} + 18096663971115763 z^{16} + 803996733366552 z^{14}$ $+25670259026412 z^{12} + 564213382040 z^{10} + 8060586567 z^8 + 69881196 z^6$ $+349426 z^4 + 924 z^2 + 1$	$\{[44, \sqrt{22}]\}$
		$z^{90} + 225 z^{88} + 7560 z^{87} + 159930 z^{86} + 2742768 z^{85} + 38914170 z^{84} + 467009640 z^{83}$ $+4844675655 z^{82} + 44140363840 z^{81} + 357540958503 z^{80} + 2600296151760 z^{79}$ $+17118592741020 z^{78} + 102711575147040 z^{77} + 564913777957020 z^{76}$ $+2862229680958416 z^{75} + 13416701161017555 z^{74} + 58402111600733760 z^{73}$ $+236853009786598515 z^{72} + 897548244772549320 z^{71}$ $+3186296264099940210 z^{70} + 10620987557274047280 z^{69}$ $+33311279169244485810 z^{68} + 98485520990009921640 z^{67}$ $+274938746070357522645 z^{66} + 725838289713548875008 z^{65}$ $+1814595724332182850165 z^{64} + 4301263938945567986880 z^{63}$ $+9677843862559086027600 z^{62} + 20690562741099883401600 z^{61}$	

$\{[90, 2, 86]\}$	x^4+x+1	$ \begin{aligned} &+42070810906963612098384 z^{60}+81427375948084079590080 z^{59} \\ &+150131724404307363242010 z^{58}+263867879257571493177600 z^{57} \\ &+442366738755072256517850 z^{56}+707786782005757422326544 z^{55} \\ &+1081340916953973294213780 z^{54}+1578173230152351121793760 z^{53} \\ &+2201136347316304297369620 z^{52}+2934848463084212915370960 z^{51} \\ &+3741931790434730440738998 z^{50}+4563331451754468655305600 z^{49} \\ &+5323886693710235840344950 z^{48}+5942943285997172092754400 z^{47} \\ &+6348143964591978976924200 z^{46}+6489213830476400390166720 z^{45} \\ &+6348143964591978976924200 z^{44}+5942943285997172092754400 z^{43} \\ &+5323886693710235840344950 z^{42}+4563331451754468655305600 z^{41} \\ &+3741931790434730440738998 z^{40}+2934848463084212915370960 z^{39} \\ &+2201136347316304297369620 z^{38}+1578173230152351121793760 z^{37} \\ &+1081340916953973294213780 z^{36}+707786782005757422326544 z^{35} \\ &+442366738755072256517850 z^{34}+263867879257571493177600 z^{33} \\ &+150131724404307363242010 z^{32}+81427375948084079590080 z^{31} \\ &+42070810906963612098384 z^{30}+20690562741099883401600 z^{29} \\ &+9677843862559086027600 z^{28}+4301263938945567986880 z^{27} \\ &+1814595724332182850165 z^{26}+725838289713548875008 z^{25} \\ &+274938746070357522645 z^{24}+98485520990009921640 z^{23} \\ &+33311279169244485810 z^{22}+10620987557274047280 z^{21} \\ &+3186296264099940210 z^{20}+897548244772549320 z^{19} \\ &+236853009786598515 z^{18}+58402111600733760 z^{17}+13416701161017555 z^{16} \\ &+2862229680958416 z^{15}+564913777957020 z^{14}+102711575147040 z^{13} \\ &+17118592741020 z^{12}+2600296151760 z^{11}+357540958503 z^{10} \\ &+44140363840 z^9+4844675655 z^8+467009640 z^7+38914170 z^6+2742768 z^5 \\ &+159930 z^4+7560 z^3+225 z^2+1 \end{aligned} $	$ \left\{ \left[45, \frac{3\sqrt{10}}{2} \right] \right\} $
		$ \begin{aligned} &z^{90}+630 z^{88}+6750 z^{87}+173565 z^{86}+2740500 z^{85}+38872905 z^{84}+467072550 z^{83} \\ &+4843053360 z^{82}+44140865200 z^{81}+357552777393 z^{80}+2600286013260 z^{79} \\ &+17118607668930 z^{78}+102711629868120 z^{77}+564913254414690 z^{76} \\ &+2862229609473804 z^{75}+13416703794395325 z^{74}+58402110986679600 z^{73} \\ &+236853005578277400 z^{72}+897548248460753550 z^{71} \end{aligned} $	

$\{[90, 2, 86]\}$	$x^4 + x^2 + 1$	$ \begin{aligned} &+3186296248371198885 z^{70} + 10620987549298330500 z^{69} \\ &+33311279277468794025 z^{68} + 98485520985704643750 z^{67} \\ &+274938745796649508950 z^{66} + 725838289790776943040 z^{65} \\ &+1814595724527257714445 z^{64} + 4301263938716298594000 z^{63} \\ &+9677843863545696962040 z^{62} + 20690562741393824992800 z^{61} \\ &+42070810902884017737144 z^{60} + 81427375948295277303120 z^{59} \\ &+150131724412283106508530 z^{58} + 263867879255743762127040 z^{57} \\ &+442366738746920511035940 z^{56} + 707786782010131454977212 z^{55} \\ &+1081340916952966857278970 z^{54} + 1578173230146012387356520 z^{53} \\ &+2201136347335750036824690 z^{52} + 2934848463089835440715660 z^{51} \\ &+3741931790398036961007048 z^{50} + 4563331451752844559837600 z^{49} \\ &+5323886693747727765052050 z^{48} + 5942943285993791374840200 z^{47} \\ &+6348143964575998426041900 z^{46} + 6489213830482062102328080 z^{45} \\ &+6348143964575998426041900 z^{44} + 5942943285993791374840200 z^{43} \\ &+5323886693747727765052050 z^{42} + 4563331451752844559837600 z^{41} \\ &+3741931790398036961007048 z^{40} + 2934848463089835440715660 z^{39} \\ &+2201136347335750036824690 z^{38} + 1578173230146012387356520 z^{37} \\ &+1081340916952966857278970 z^{36} + 707786782010131454977212 z^{35} \\ &+442366738746920511035940 z^{34} + 263867879255743762127040 z^{33} \\ &+150131724412283106508530 z^{32} + 81427375948295277303120 z^{31} \\ &+42070810902884017737144 z^{30} + 20690562741393824992800 z^{29} \\ &+9677843863545696962040 z^{28} + 4301263938716298594000 z^{27} \\ &+1814595724527257714445 z^{26} + 725838289790776943040 z^{25} \\ &+274938745796649508950 z^{24} + 98485520985704643750 z^{23} \\ &+33311279277468794025 z^{22} + 10620987549298330500 z^{21} \\ &+3186296248371198885 z^{20} + 897548248460753550 z^{19} \\ &+236853005578277400 z^{18} + 58402110986679600 z^{17} + 13416703794395325 z^{16} \\ &+2862229609473804 z^{15} + 564913254414690 z^{14} + 102711629868120 z^{13} \\ &+17118607668930 z^{12} + 2600286013260 z^{11} + 357552777393 z^{10} \\ &+44140865200 z^9 + 4843053360 z^8 + 467072550 z^7 + 38872905 z^6 + 2740500 z^5 \\ &+173565 z^4 + 6750 z^3 + 630 z^2 + 1 \end{aligned} $	$\left\{ \left[45, \frac{3\sqrt{10}}{2} \right] \right\}$
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$\{[90, 2, 86]\}$

$$x^4 + x^3 + x^2 + x + 1$$

$$\begin{aligned} & z^{90} + 765 z^{88} + 249390 z^{86} + 1889568 z^{85} + 45272190 z^{84} + 428302080 z^{83} \\ & + 5039513235 z^{82} + 43329893760 z^{81} + 360319747743 z^{80} + 2592607668480 z^{79} \\ & + 17134648784580 z^{78} + 102691685615040 z^{77} + 564901198846020 z^{76} \\ & + 2862376780329216 z^{75} + 13416263591360715 z^{74} + 58402853090421120 z^{73} \\ & + 236852587381172495 z^{72} + 897546596828624640 z^{71} \\ & + 3186302226264290790 z^{70} + 10620977790673211040 z^{69} \\ & + 33311284181904400470 z^{68} + 98485538548111211520 z^{67} \\ & + 274938692375213992065 z^{66} + 725838358576090664448 z^{65} \\ & + 1814595717484406085525 z^{64} + 4301263786939906728960 z^{63} \\ & + 9677844171814123059120 z^{62} + 20690562495519263888640 z^{61} \\ & + 42070810708794532323504 z^{60} + 81427376775932053263360 z^{59} \\ & + 150131723380906173135930 z^{58} + 263867879453959233308160 z^{57} \\ & + 442366740185995867658130 z^{56} + 707786779474352829533184 z^{55} \\ & + 1081340918528532826590460 z^{54} + 1578173231623568094411840 z^{53} \\ & + 2201136342985576538127900 z^{52} + 2934848467073007547507200 z^{51} \\ & + 3741931790680177155636558 z^{50} + 4563331446478006700248320 z^{49} \\ & + 5323886700204539008115910 z^{48} + 5942943283847890211458560 z^{47} \\ & + 6348143960140210556935320 z^{46} + 6489213838065642654239360 z^{45} \\ & + 6348143960140210556935320 z^{44} + 5942943283847890211458560 z^{43} \\ & + 5323886700204539008115910 z^{42} + 4563331446478006700248320 z^{41} \\ & + 3741931790680177155636558 z^{40} + 2934848467073007547507200 z^{39} \\ & + 2201136342985576538127900 z^{38} + 1578173231623568094411840 z^{37} \\ & + 1081340918528532826590460 z^{36} + 707786779474352829533184 z^{35} \\ & + 442366740185995867658130 z^{34} + 263867879453959233308160 z^{33} \\ & + 150131723380906173135930 z^{32} + 81427376775932053263360 z^{31} \\ & + 42070810708794532323504 z^{30} + 20690562495519263888640 z^{29} \\ & + 9677844171814123059120 z^{28} + 4301263786939906728960 z^{27} \\ & + 1814595717484406085525 z^{26} + 725838358576090664448 z^{25} \\ & + 274938692375213992065 z^{24} + 98485538548111211520 z^{23} \\ & + 33311284181904400470 z^{22} + 10620977790673211040 z^{21} \\ & + 3186302226264290790 z^{20} + 897546596828624640 z^{19} \end{aligned}$$

$$\left\{ \left[45, \frac{3\sqrt{10}}{2} \right] \right\}$$

		$+236852587381172495 z^{18} + 58402853090421120 z^{17} + 13416263591360715 z^{16}$ $+2862376780329216 z^{15} + 564901198846020 z^{14} + 102691685615040 z^{13}$ $+17134648784580 z^{12} + 2592607668480 z^{11} + 360319747743 z^{10}$ $+43329893760 z^9 + 5039513235 z^8 + 428302080 z^7 + 45272190 z^6 + 1889568 z^5$ $+249390 z^4 + 765 z^2 + 1$	
$\{[90, 2, 86]\}$	$x^4 + x^3 + x + 1$	$675 z^{88} + 324450 z^{86} + 77817720 z^{84} + 9688698990 z^{82} + 715086270027 z^{80}$ $+34237196150820 z^{78} + 1129827310596360 z^{76} + 26833403580822540 z^{74}$ $+473706016945252405 z^{72} + 6372592525523479842 z^{70}$ $+66622558370022888480 z^{68} + 549877492064138655390 z^{66}$ $+3629191448662474684005 z^{64} + 19355687725681875083760 z^{62}$ $+84141621811984057930656 z^{60} + 300263448812300998560720 z^{58}$ $+884733477506211712577310 z^{56} + 2162681833908286958990980 z^{54}$ $+4402272694639798178130960 z^{52} + 7483863580854904118919132 z^{50}$ $+10647773387436124252903950 z^{48} + 12696287929175957342376600 z^{46}$ $+12696287929180074057740400 z^{44} + 10647773387432350597153800 z^{42}$ $+7483863580858073989749258 z^{40} + 4402272694637359815953940 z^{38}$ $+2162681833910002843485920 z^{36} + 884733477505108643973420 z^{34}$ $+300263448812947624983690 z^{32} + 84141621811639190505072 z^{30}$ $+19355687725848746418720 z^{28} + 3629191448589468474960 z^{26}$ $+549877492092898677135 z^{24} + 66622558359872292570 z^{22}$ $+6372592528713667128 z^{20} + 473706016059089270 z^{18}$ $+26833403796375735 z^{16} + 1129827265216740 z^{14} + 34237204295880 z^{12}$ $+715085048268 z^{10} + 9688847985 z^8 + 77803530 z^6 + 325440 z^4 + 630 z^2 + 1$	$\left\{ \left[45, \frac{3\sqrt{10}}{2} \right] \right\}$
		$z^{90} + 225 z^{88} + 7560 z^{87} + 159930 z^{86} + 2742768 z^{85} + 38914170 z^{84} + 467009640 z^{83}$ $+4844675655 z^{82} + 44140363840 z^{81} + 357540958503 z^{80} + 2600296151760 z^{79}$ $+17118592741020 z^{78} + 102711575147040 z^{77} + 564913777957020 z^{76}$ $+2862229680958416 z^{75} + 13416701161017555 z^{74} + 58402111600733760 z^{73}$ $+236853009786598515 z^{72} + 897548244772549320 z^{71}$ $+3186296264099940210 z^{70} + 10620987557274047280 z^{69}$ $+33311279169244485810 z^{68} + 98485520990009921640 z^{67}$ $+274938746070357522645 z^{66} + 725838289713548875008 z^{65}$	

{[90, 2, 86]}	x^4+x^3+1	$ \begin{aligned} &+1814595724332182850165 z^{64}+4301263938945567986880 z^{63} \\ &+9677843862559086027600 z^{62}+20690562741099883401600 z^{61} \\ &+42070810906963612098384 z^{60}+81427375948084079590080 z^{59} \\ &+150131724404307363242010 z^{58}+263867879257571493177600 z^{57} \\ &+442366738755072256517850 z^{56}+707786782005757422326544 z^{55} \\ &+1081340916953973294213780 z^{54}+1578173230152351121793760 z^{53} \\ &+2201136347316304297369620 z^{52}+2934848463084212915370960 z^{51} \\ &+3741931790434730440738998 z^{50}+4563331451754468655305600 z^{49} \\ &+5323886693710235840344950 z^{48}+5942943285997172092754400 z^{47} \\ &+6348143964591978976924200 z^{46}+6489213830476400390166720 z^{45} \\ &+6348143964591978976924200 z^{44}+5942943285997172092754400 z^{43} \\ &+5323886693710235840344950 z^{42}+4563331451754468655305600 z^{41} \\ &+3741931790434730440738998 z^{40}+2934848463084212915370960 z^{39} \\ &+2201136347316304297369620 z^{38}+1578173230152351121793760 z^{37} \\ &+1081340916953973294213780 z^{36}+707786782005757422326544 z^{35} \\ &+442366738755072256517850 z^{34}+263867879257571493177600 z^{33} \\ &+150131724404307363242010 z^{32}+81427375948084079590080 z^{31} \\ &+42070810906963612098384 z^{30}+20690562741099883401600 z^{29} \\ &+9677843862559086027600 z^{28}+4301263938945567986880 z^{27} \\ &+1814595724332182850165 z^{26}+725838289713548875008 z^{25} \\ &+274938746070357522645 z^{24}+98485520990009921640 z^{23} \\ &+33311279169244485810 z^{22}+10620987557274047280 z^{21} \\ &+3186296264099940210 z^{20}+897548244772549320 z^{19} \\ &+236853009786598515 z^{18}+58402111600733760 z^{17}+13416701161017555 z^{16} \\ &+2862229680958416 z^{15}+564913777957020 z^{14}+102711575147040 z^{13} \\ &+17118592741020 z^{12}+2600296151760 z^{11}+357540958503 z^{10} \\ &+44140363840 z^9+4844675655 z^8+467009640 z^7+38914170 z^6+2742768 z^5 \\ &+159930 z^4+7560 z^3+225 z^2+1 \end{aligned} $	$\left\{ \left[45, \frac{3\sqrt{10}}{2} \right] \right\}$
		$ \begin{aligned} &15379 z^{88}+5813262 z^{86}+1011709712 z^{84}+97971581162 z^{82}+5915662656267 z^{80} \\ &+239660402720284 z^{78}+6854286617261720 z^{76}+143637626578975620 z^{74} \\ &+2268802506280864645 z^{72}+27614567648030591150 z^{70} \end{aligned} $	

{[91, 2, 87]}	$x^4 + x^2 + x + 1$	$ \begin{aligned} &+263593600315111848600 z^{68} + 2001554071547123415322 z^{66} \\ &+12231719326664395230309 z^{64} + 60736813206985959008784 z^{62} \\ &+246996373710867050842208 z^{60} + 827999207322287974700272 z^{58} \\ &+2300307041524020530080638 z^{56} + 5319028294209406214671324 z^{54} \\ &+10271969620804864684146624 z^{52} + 16610526484374492939994452 z^{50} \\ &+22533659959418276182493070 z^{48} + 25674715590134029668685800 z^{46} \\ &+24582174501180355749078480 z^{44} + 19774436290927732079067480 z^{42} \\ &+13353560507039500352040618 z^{40} + 7558619154935623326904716 z^{38} \\ &+3578255397921147039863312 z^{36} + 1412469236023788190155908 z^{34} \\ &+463118200705942505272458 z^{32} + 125522747295351642435472 z^{30} \\ &+27958215603456898028256 z^{28} + 5080868027868742248048 z^{26} \\ &+746848534215900163775 z^{24} + 87864533418369457750 z^{22} \\ &+8167689028384420080 z^{20} + 590510240077014530 z^{18} \\ &+32557862230218871 z^{16} + 1335250623745116 z^{14} + 39437785366616 z^{12} \\ &+803362712516 z^{10} + 10623216513 z^8 + 83340166 z^6 + 332696 z^4 + 546 z^2 + 1 \end{aligned} $	$\left\{ \left[\frac{91}{2}, \frac{\sqrt{91}}{2} \right] \right\}$
{[91, 2, 87]}	$x^4 + x^3 + x^2 + 1$	$ \begin{aligned} &15379 z^{88} + 5813262 z^{86} + 1011709712 z^{84} + 97971581162 z^{82} + 5915662656267 z^{80} \\ &+239660402720284 z^{78} + 6854286617261720 z^{76} + 143637626578975620 z^{74} \\ &+2268802506280864645 z^{72} + 27614567648030591150 z^{70} \\ &+263593600315111848600 z^{68} + 2001554071547123415322 z^{66} \\ &+12231719326664395230309 z^{64} + 60736813206985959008784 z^{62} \\ &+246996373710867050842208 z^{60} + 827999207322287974700272 z^{58} \\ &+2300307041524020530080638 z^{56} + 5319028294209406214671324 z^{54} \\ &+10271969620804864684146624 z^{52} + 16610526484374492939994452 z^{50} \\ &+22533659959418276182493070 z^{48} + 25674715590134029668685800 z^{46} \\ &+24582174501180355749078480 z^{44} + 19774436290927732079067480 z^{42} \\ &+13353560507039500352040618 z^{40} + 7558619154935623326904716 z^{38} \\ &+3578255397921147039863312 z^{36} + 1412469236023788190155908 z^{34} \\ &+463118200705942505272458 z^{32} + 125522747295351642435472 z^{30} \\ &+27958215603456898028256 z^{28} + 5080868027868742248048 z^{26} \\ &+746848534215900163775 z^{24} + 87864533418369457750 z^{22} \\ &+8167689028384420080 z^{20} + 590510240077014530 z^{18} \end{aligned} $	$\left\{ \left[\frac{91}{2}, \frac{\sqrt{91}}{2} \right] \right\}$

		$+32557862230218871 z^{16} + 1335250623745116 z^{14} + 39437785366616 z^{12}$ $+803362712516 z^{10} + 10623216513 z^8 + 83340166 z^6 + 332696 z^4 + 546 z^2 + 1$	
$\{[92, 2, 88]\}$	$x^4 + 1$	$279841 z^{88} + 86191028 z^{86} + 11592693266 z^{84} + 901250327780 z^{82}$ $+45355458145415 z^{80} + 1574915169193352 z^{78} + 39412093247301676 z^{76}$ $+734147859833739912 z^{74} + 10436492377012768275 z^{72}$ $+115479099598991976980 z^{70} + 1010442129495159339178 z^{68}$ $+7082422120029931493284 z^{66} + 40189934921876673787381 z^{64}$ $+186259560415769317136352 z^{62} + 710114574598052265506832 z^{60}$ $+2240468443344428661833952 z^{58} + 5878562438939575794335962 z^{56}$ $+12877647449868030305017960 z^{54} + 23625530127884139685333444 z^{52}$ $+36384962774042736985229384 z^{50} + 47115834462002481353777846 z^{48}$ $+51349431180254306129999280 z^{46} + 47115834459220462035994504 z^{44}$ $+36384962776540876780789936 z^{42} + 23625530127819142835448950 z^{40}$ $+12877647448413465854772680 z^{38} + 5878562439954799541845700 z^{36}$ $+2240468443346409403529448 z^{34} + 710114574235627139541402 z^{32}$ $+186259560589207084606176 z^{30} + 40189934938090778779664 z^{28}$ $+7082422078961199212000 z^{26} + 1010442139496676388757 z^{24}$ $+115479102558162751588 z^{22} + 10436490685752645162 z^{20}$ $+734147874750764628 z^{18} + 39412204323082547 z^{16} + 1574906863577608 z^{14}$ $+45351450346540 z^{12} + 901415159304 z^{10} + 11677650919 z^8 + 92064676 z^6$ $+419474 z^4 + 1012 z^2 + 1$	$\{[46, \sqrt{23}]\}$
		$z^{95} + 855 z^{93} + 311790 z^{91} + 2476099 z^{90} + 63393690 z^{89} + 631405245 z^{88}$ $+7918726995 z^{87} + 71980197930 z^{86} + 637060674781 z^{85} + 4863083196990 z^{84}$ $+34203994346820 z^{83} + 218033281240345 z^{82} + 1277547233299980 z^{81}$ $+6898661852953119 z^{80} + 34491295583462475 z^{79} + 160290129162538380 z^{78}$ $+694576952172589325 z^{77} + 2814877251902457540 z^{76}$ $+10696547420773908646 z^{75} + 38201874234503613025 z^{74}$ $+128497374213261142050 z^{73} + 407839348719724103375 z^{72}$ $+1223517912317524322625 z^{71} + 3474791565991954839378 z^{70}$ $+9355206916529961254655 z^{69} + 23907751654013458542870 z^{68}$ $+58061684017198312895920 z^{67} + 134142507129497139209315 z^{66}$	

$\{[95, 2, 91]\}$	$x^4+x^3+x^2+x+1$	$ \begin{aligned} &+295113520479966208404752 z^{65}+618786413937847547546005 z^{64} \\ &+1237572818407311060434490 z^{63}+2362639032970526369483280 z^{62} \\ &+4308341756632462121875830 z^{61}+7508824191882102073441968 z^{60} \\ &+12514707021417445715245180 z^{59}+19955884136170920611935790 z^{58} \\ &+30458981045930188333317780 z^{57}+44516972351582591369402130 z^{56} \\ &+62323761222647846877943502 z^{55}+83605045566156735648112180 z^{54} \\ &+107492201499644561176095570 z^{53}+132490387791131205351185820 z^{52} \\ &+156579549272165880630047640 z^{51}+177456822545483731271252138 z^{50} \\ &+192887850478014800118659400 z^{49}+201095844213714359877636550 z^{48} \\ &+201095844213714359877636550 z^{47}+192887850478014800118659400 z^{46} \\ &+177456822545483731271252138 z^{45}+156579549272165880630047640 z^{44} \\ &+132490387791131205351185820 z^{43}+107492201499644561176095570 z^{42} \\ &+83605045566156735648112180 z^{41}+62323761222647846877943502 z^{40} \\ &+44516972351582591369402130 z^{39}+30458981045930188333317780 z^{38} \\ &+19955884136170920611935790 z^{37}+12514707021417445715245180 z^{36} \\ &+7508824191882102073441968 z^{35}+4308341756632462121875830 z^{34} \\ &+2362639032970526369483280 z^{33}+1237572818407311060434490 z^{32} \\ &+618786413937847547546005 z^{31}+295113520479966208404752 z^{30} \\ &+134142507129497139209315 z^{29}+58061684017198312895920 z^{28} \\ &+23907751654013458542870 z^{27}+9355206916529961254655 z^{26} \\ &+3474791565991954839378 z^{25}+1223517912317524322625 z^{24} \\ &+407839348719724103375 z^{23}+128497374213261142050 z^{22} \\ &+38201874234503613025 z^{21}+10696547420773908646 z^{20} \\ &+2814877251902457540 z^{19}+694576952172589325 z^{18} \\ &+160290129162538380 z^{17}+34491295583462475 z^{16}+6898661852953119 z^{15} \\ &+1277547233299980 z^{14}+218033281240345 z^{13}+34203994346820 z^{12} \\ &+4863083196990 z^{11}+637060674781 z^{10}+71980197930 z^9+7918726995 z^8 \\ &+631405245 z^7+63393690 z^6+2476099 z^5+311790 z^4+855 z^2+1 \end{aligned} $	$\left\{ \left[\frac{95}{2}, \frac{\sqrt{95}}{2} \right] \right\}$
		$ \begin{aligned} &z^{96}+1104 z^{94}+499560 z^{92}+119830000 z^{90}+16642332180 z^{88}+1410234860496 z^{86} \\ &+78080597384344 z^{84}+2991188817473520 z^{82}+82781602281363330 z^{80} \\ &+1709735949205788080 z^{78}+27022822029989554296 z^{76} \end{aligned} $	

$\{[96, 2, 92]\}$	$x^4 + 1$	$ \begin{aligned} &+333398476760225554704 z^{74} + 3262714810964061290180 z^{72} \\ &+25659996925357159410096 z^{70} + 163938869465057237958024 z^{68} \\ &+858512057134008642241936 z^{66} + 3712718471284581032550639 z^{64} \\ &+13341961565948543247793440 z^{62} + 40047062418198364625215376 z^{60} \\ &+100829730406388305744428384 z^{58} + 213681467131298029225223976 z^{56} \\ &+382194494066091124563082784 z^{54} + 578139874203768203409571440 z^{52} \\ &+740689346081617258194482016 z^{50} + 804383376741887429080717084 z^{48} \\ &+740689346081617258194482016 z^{46} + 578139874203768203409571440 z^{44} \\ &+382194494066091124563082784 z^{42} + 213681467131298029225223976 z^{40} \\ &+100829730406388305744428384 z^{38} + 40047062418198364625215376 z^{36} \\ &+13341961565948543247793440 z^{34} + 3712718471284581032550639 z^{32} \\ &+858512057134008642241936 z^{30} + 163938869465057237958024 z^{28} \\ &+25659996925357159410096 z^{26} + 3262714810964061290180 z^{24} \\ &+333398476760225554704 z^{22} + 27022822029989554296 z^{20} \\ &+1709735949205788080 z^{18} + 82781602281363330 z^{16} + 2991188817473520 z^{14} \\ &+78080597384344 z^{12} + 1410234860496 z^{10} + 16642332180 z^8 + 119830000 z^6 \\ &+499560 z^4 + 1104 z^2 + 1 \end{aligned} $	$\{[48, 2\sqrt{6}]\}$
		$ \begin{aligned} &z^{96} + 720 z^{94} + 8192 z^{93} + 226920 z^{92} + 3809280 z^{91} + 57937264 z^{90} + 745095168 z^{89} \\ &+ 8284687380 z^{88} + 81034559488 z^{87} + 705011032656 z^{86} + 5511768367104 z^{85} \\ &+ 39041863949720 z^{84} + 252270088347648 z^{83} + 1495599848868720 z^{82} \\ &+ 8175951810101248 z^{81} + 41390759219420034 z^{80} + 194780022615539712 z^{79} \\ &+ 854867888773377840 z^{78} + 3509457648652541952 z^{77} \\ &+ 13511411838877261176 z^{76} + 48898443111895425024 z^{75} \\ &+ 166699238228371098000 z^{74} + 536336678425456558080 z^{73} \\ &+ 1631357396503424482500 z^{72} + 4698309303888118824960 z^{71} \\ &+ 12829998482338983878448 z^{70} + 33262959028715449786368 z^{69} \\ &+ 81969434756664835948680 z^{68} + 192204191830990567415808 z^{67} \\ &+ 429256028405664109846032 z^{66} + 913899931479364456808448 z^{65} \\ &+ 1856359235835982605684975 z^{64} + 3600211851266596565286912 z^{63} \\ &+ 6670980783240500245831200 z^{62} + 11817165958905435304181760 z^{61} \\ &+ 20023531208057583327147408 z^{60} + 32470591148286806507077632 z^{59} \end{aligned} $	

{[96, 2, 92]}	$x^4 + x^2 + 1$	$ \begin{aligned} &+50414865204101038146115680 z^{58} + 74975953380217231919972352 z^{57} \\ &+106840733566599848787145512 z^{56} + 145928806823006028606898176 z^{55} \\ &+191097247030214157352914720 z^{54} + 239982589293513080962203648 z^{53} \\ &+289069937103721437077854320 z^{52} + 334036371764270925748813824 z^{51} \\ &+370344673042573647804483168 z^{50} + 393983694726478186621501440 z^{49} \\ &+402191688367101675779862300 z^{48} + 393983694726478186621501440 z^{47} \\ &+370344673042573647804483168 z^{46} + 334036371764270925748813824 z^{45} \\ &+289069937103721437077854320 z^{44} + 239982589293513080962203648 z^{43} \\ &+191097247030214157352914720 z^{42} + 145928806823006028606898176 z^{41} \\ &+106840733566599848787145512 z^{40} + 74975953380217231919972352 z^{39} \\ &+50414865204101038146115680 z^{38} + 32470591148286806507077632 z^{37} \\ &+20023531208057583327147408 z^{36} + 11817165958905435304181760 z^{35} \\ &+6670980783240500245831200 z^{34} + 3600211851266596565286912 z^{33} \\ &+1856359235835982605684975 z^{32} + 913899931479364456808448 z^{31} \\ &+429256028405664109846032 z^{30} + 192204191830990567415808 z^{29} \\ &+81969434756664835948680 z^{28} + 33262959028715449786368 z^{27} \\ &+12829998482338983878448 z^{26} + 4698309303888118824960 z^{25} \\ &+1631357396503424482500 z^{24} + 536336678425456558080 z^{23} \\ &+166699238228371098000 z^{22} + 48898443111895425024 z^{21} \\ &+13511411838877261176 z^{20} + 3509457648652541952 z^{19} \\ &+854867888773377840 z^{18} + 194780022615539712 z^{17} \\ &+41390759219420034 z^{16} + 8175951810101248 z^{15} + 1495599848868720 z^{14} \\ &+252270088347648 z^{13} + 39041863949720 z^{12} + 5511768367104 z^{11} \\ &+705011032656 z^{10} + 81034559488 z^9 + 8284687380 z^8 + 745095168 z^7 \\ &+57937264 z^6 + 3809280 z^5 + 226920 z^4 + 8192 z^3 + 720 z^2 + 1 \end{aligned} $	{[48, 2 $\sqrt{6}$]}
		$ \begin{aligned} &z^{96} + 720 z^{94} + 423528 z^{92} + 115871088 z^{90} + 16574073876 z^{88} + 1409996202576 z^{86} \\ &+ 78083617168792 z^{84} + 2991201363938160 z^{82} + 82781512315296642 z^{80} \\ &+ 1709735773407915824 z^{78} + 27022823802334764408 z^{76} \\ &+ 333398475933788850576 z^{74} + 3262714793946879311044 z^{72} \\ &+ 25659996965313240014640 z^{70} + 163938869504825023447176 z^{68} \\ &+ 858512056835670833913360 z^{66} + 3712718471637187107721455 z^{64} \end{aligned} $	

$\{[96, 2, 92]\}$	x^4+x^3+x+1	$+13341961566485093838102048 z^{62}+40047062416217499618276752 z^{60}$ $+100829730407941523599054944 z^{58}+213681467133552501488317224 z^{56}$ $+382194494060195828662357792 z^{54}+578139874207317926206527600 z^{52}$ $+740689346085682157308724832 z^{50}+804383376733486684955946780 z^{48}$ $+740689346085682157308724832 z^{46}+578139874207317926206527600 z^{44}$ $+382194494060195828662357792 z^{42}+213681467133552501488317224 z^{40}$ $+100829730407941523599054944 z^{38}+40047062416217499618276752 z^{36}$ $+13341961566485093838102048 z^{34}+3712718471637187107721455 z^{32}$ $+858512056835670833913360 z^{30}+163938869504825023447176 z^{28}$ $+25659996965313240014640 z^{26}+3262714793946879311044 z^{24}$ $+333398475933788850576 z^{22}+27022823802334764408 z^{20}$ $+1709735773407915824 z^{18}+82781512315296642 z^{16}+2991201363938160 z^{14}$ $+78083617168792 z^{12}+1409996202576 z^{10}+16574073876 z^8+115871088 z^6$ $+423528 z^4+720 z^2+1$	$\{[48, 2\sqrt{6}]\}$
$\{[98, 2, 94]\}$	x^4+x^2+x+1	$z^{98}+637 z^{96}+449820 z^{94}+131601652 z^{92}+19670636440 z^{90}+1750702017792 z^{88}$ $+101540708559836 z^{86}+4078365456272660 z^{84}+118476519610212246 z^{82}$ $+2571637380274802406 z^{80}+42770390174858246628 z^{78}$ $+556015072092622085580 z^{76}+5741459983982422408800 z^{74}$ $+47715948973872781080024 z^{72}+322650702585815174156740 z^{70}$ $+1791267693667258756352396 z^{68}+8226830254376224956406235 z^{66}$ $+31455527443222642987835335 z^{64}+100657687818271519635977368 z^{62}$ $+270759157417355353187042056 z^{60}+614415011062359193424305232 z^{58}$ $+1179591188485697255057216224 z^{56}+1920264725441708765810490520 z^{54}$ $+2654974707349940415351500232 z^{52}+3121007501725142055613336932 z^{50}$ $+3121007501725142055613336932 z^{48}+2654974707349940415351500232 z^{46}$ $+1920264725441708765810490520 z^{44}+1179591188485697255057216224 z^{42}$ $+614415011062359193424305232 z^{40}+270759157417355353187042056 z^{38}$ $+100657687818271519635977368 z^{36}+31455527443222642987835335 z^{34}$ $+8226830254376224956406235 z^{32}+1791267693667258756352396 z^{30}$ $+322650702585815174156740 z^{28}+47715948973872781080024 z^{26}$ $+5741459983982422408800 z^{24}+556015072092622085580 z^{22}$	$\left\{ \left[49, \frac{7\sqrt{2}}{2} \right] \right\}$

		$+42770390174858246628 z^{20} + 2571637380274802406 z^{18}$ $+118476519610212246 z^{16} + 4078365456272660 z^{14} + 101540708559836 z^{12}$ $+1750702017792 z^{10} + 19670636440 z^8 + 131601652 z^6 + 449820 z^4 + 637 z^2 + 1$	
$\{[98, 2, 94]\}$	$x^4 + x^3 + x^2 + 1$	$z^{98} + 637 z^{96} + 449820 z^{94} + 131601652 z^{92} + 19670636440 z^{90} + 1750702017792 z^{88}$ $+ 101540708559836 z^{86} + 4078365456272660 z^{84} + 118476519610212246 z^{82}$ $+ 2571637380274802406 z^{80} + 42770390174858246628 z^{78}$ $+ 556015072092622085580 z^{76} + 5741459983982422408800 z^{74}$ $+ 47715948973872781080024 z^{72} + 322650702585815174156740 z^{70}$ $+ 1791267693667258756352396 z^{68} + 8226830254376224956406235 z^{66}$ $+ 31455527443222642987835335 z^{64} + 100657687818271519635977368 z^{62}$ $+ 270759157417355353187042056 z^{60} + 614415011062359193424305232 z^{58}$ $+ 1179591188485697255057216224 z^{56} + 1920264725441708765810490520 z^{54}$ $+ 2654974707349940415351500232 z^{52} + 3121007501725142055613336932 z^{50}$ $+ 3121007501725142055613336932 z^{48} + 2654974707349940415351500232 z^{46}$ $+ 1920264725441708765810490520 z^{44} + 1179591188485697255057216224 z^{42}$ $+ 614415011062359193424305232 z^{40} + 270759157417355353187042056 z^{38}$ $+ 100657687818271519635977368 z^{36} + 31455527443222642987835335 z^{34}$ $+ 8226830254376224956406235 z^{32} + 1791267693667258756352396 z^{30}$ $+ 322650702585815174156740 z^{28} + 47715948973872781080024 z^{26}$ $+ 5741459983982422408800 z^{24} + 556015072092622085580 z^{22}$ $+ 42770390174858246628 z^{20} + 2571637380274802406 z^{18}$ $+ 118476519610212246 z^{16} + 4078365456272660 z^{14} + 101540708559836 z^{12}$ $+ 1750702017792 z^{10} + 19670636440 z^8 + 131601652 z^6 + 449820 z^4 + 637 z^2 + 1$	$\left\{ \left[49, \frac{7\sqrt{2}}{2} \right] \right\}$
		$390625 z^{96} + 143750000 z^{94} + 23158125000 z^{92} + 2163236250000 z^{90}$ $+ 131306659312500 z^{88} + 5523398439750000 z^{86} + 168232449510075000 z^{84}$ $+ 3833063239132650000 z^{82} + 66997924563591641250 z^{80}$ $+ 916508363763525850000 z^{78} + 9972009402614518175000 z^{76}$ $+ 87446852116447890150000 z^{74} + 624851712976818873862500 z^{72}$ $+ 3671542476948801129130000 z^{70} + 17876562668867974606425000 z^{68}$ $+ 72589678717961902511750000 z^{66} + 247150572762600086159379375 z^{64}$ $+ 708756123329288904982140000 z^{62} + 1718279268239697435878578000 z^{60}$	

$\{[100, 2, 96]\}$	$x^4 + 1$	$ \begin{aligned} &+3532351108875404828136260000 z^{58} + 6172279474633428510723105000 z^{56} \\ &+9183874773884603706896700000 z^{54} \\ &+11650819859345097148990750000 z^{52} \\ &+12611418068195476762874148000 z^{50} \\ &+11650819859417463249899697500 z^{48} \\ &+9183874773819064596639540000 z^{46} + 6172279474635066988479534000 z^{44} \\ &+3532351108915188217871308000 z^{42} + 1718279268211040786347447400 z^{40} \\ &+708756123329360021256852000 z^{38} + 247150572773646701348226000 z^{36} \\ &+72589678712253064325452000 z^{34} + 17876562668429282550903375 z^{32} \\ &+3671542478452246954679600 z^{30} + 624851712532566141681000 z^{28} \\ &+87446852008529080578000 z^{26} + 9972009488951623752100 z^{24} \\ &+916508357502872913200 z^{22} + 66997918045064988120 z^{20} \\ &+3833064459735326800 z^{18} + 168232708154287650 z^{16} \\ &+5523337154667600 z^{14} + 131298615382200 z^{12} + 2164339525040 z^{10} \\ &+23364021300 z^8 + 154248400 z^6 + 590600 z^4 + 1200 z^2 + 1 \end{aligned} $	$\{[50, 5]\}$
		$ \begin{aligned} &z^{100} + 950 z^{98} + 385225 z^{96} + 3200000 z^{95} + 87194800 z^{94} + 912000000 z^{93} \\ &+ 12145843100 z^{92} + 116371200000 z^{91} + 1092261476280 z^{90} \\ &+ 8816121600000 z^{89} + 65752233797900 z^{88} + 444187934080000 z^{87} \\ &+ 2761996962853200 z^{86} + 15833683780480000 z^{85} + 84114494723349050 z^{84} \\ &+ 415639615074816000 z^{83} + 1916519688607221100 z^{82} \\ &+ 8271359944241664000 z^{81} + 33498975900544078490 z^{80} \\ &+ 127614999672365849600 z^{79} + 458254366268497216400 z^{78} \\ &+ 1554079213319552691200 z^{77} + 4986004570822257916700 z^{76} \\ &+ 15157455278915305601024 z^{75} + 43723424348487784093400 z^{74} \\ &+ 119834576229446089881600 z^{73} + 312425858297485419160300 z^{72} \\ &+ 775677981302439897420800 z^{71} + 1835771248124379423047280 z^{70} \\ &+ 4145289892128907164083200 z^{69} + 8938281317890786283103575 z^{68} \\ &+ 18418276723090413780582400 z^{67} + 36294839330091520925999850 z^{66} \\ &+ 68441697055857244832645120 z^{65} + 123575286465054429118106175 z^{64} \\ &+ 213751846619397155843737600 z^{63} + 354378061684570556346053600 z^{62} \\ &+ 563370252006346237054412800 z^{61} + 859139633887948889725411320 z^{60} \end{aligned} $	

$\{[100, 2, 96]\}$	$x^4 + x^3 + x^2 + x + 1$	$ \begin{aligned} &+1257277513472360588376780800 z^{59} + 1766175554573540233204652400 z^{58} \\ &+2382283305635901664679833600 z^{57} + 3086139737646302670190458200 z^{56} \\ &+3840529450904626390484490240 z^{55} + 4591937386497883414051232800 z^{54} \\ &+5275842955713464614834534400 z^{53} + 5825409929519539481574673100 z^{52} \\ &+6182067680132601023684403200 z^{51} + 6305709034702232072037324776 z^{50} \\ &+6182067680132601023684403200 z^{49} + 5825409929519539481574673100 z^{48} \\ &+5275842955713464614834534400 z^{47} + 4591937386497883414051232800 z^{46} \\ &+3840529450904626390484490240 z^{45} + 3086139737646302670190458200 z^{44} \\ &+2382283305635901664679833600 z^{43} + 1766175554573540233204652400 z^{42} \\ &+1257277513472360588376780800 z^{41} + 859139633887948889725411320 z^{40} \\ &+563370252006346237054412800 z^{39} + 354378061684570556346053600 z^{38} \\ &+213751846619397155843737600 z^{37} + 123575286465054429118106175 z^{36} \\ &+68441697055857244832645120 z^{35} + 36294839330091520925999850 z^{34} \\ &+18418276723090413780582400 z^{33} + 8938281317890786283103575 z^{32} \\ &+4145289892128907164083200 z^{31} + 1835771248124379423047280 z^{30} \\ &+775677981302439897420800 z^{29} + 312425858297485419160300 z^{28} \\ &+119834576229446089881600 z^{27} + 43723424348487784093400 z^{26} \\ &+15157455278915305601024 z^{25} + 4986004570822257916700 z^{24} \\ &+1554079213319552691200 z^{23} + 458254366268497216400 z^{22} \\ &+127614999672365849600 z^{21} + 33498975900544078490 z^{20} \\ &+8271359944241664000 z^{19} + 1916519688607221100 z^{18} \\ &+415639615074816000 z^{17} + 84114494723349050 z^{16} + 15833683780480000 z^{15} \\ &+2761996962853200 z^{14} + 444187934080000 z^{13} + 65752233797900 z^{12} \\ &+8816121600000 z^{11} + 1092261476280 z^{10} + 116371200000 z^9 + 12145843100 z^8 \\ &+912000000 z^7 + 87194800 z^6 + 3200000 z^5 + 385225 z^4 + 950 z^2 + 1 \end{aligned} $	$\{[50, 5]\}$
		$ \begin{aligned} &z^{102} + 816 z^{100} + 9826 z^{99} + 291720 z^{98} + 5188128 z^{97} + 84231345 z^{96} + 1154358480 z^{95} \\ &+ 13701381540 z^{94} + 143152557152 z^{93} + 1331319310200 z^{92} \\ &+ 11134517768616 z^{91} + 84437145333320 z^{90} + 584563453059360 z^{89} \\ &+ 3716151058076100 z^{88} + 21801431788892976 z^{87} + 118545286828305810 z^{86} \\ &+ 599699657765753952 z^{85} + 2831915097392303560 z^{84} \\ &+ 12520045601969860548 z^{83} + 51958188979615513320 z^{82} \end{aligned} $	

$$\{[102, 2, 98]\}$$

$$x^4 + x^2 + 1$$

$$\begin{aligned}
& +202884357816887075296 z^{81} + 746983318025141318610 z^{80} \\
& +2598202842724354405104 z^{79} + 8552417691053092982580 z^{78} \\
& +26683543198320356848032 z^{77} + 79024339464464265568488 z^{76} \\
& +222438881467492430687496 z^{75} + 595818432527618904002520 z^{74} \\
& +1520364276048518543840736 z^{73} + 3699553071675905121385620 z^{72} \\
& +8592510360140298505326864 z^{71} + 19064632361564227661655135 z^{70} \\
& +40440129251699515086705312 z^{69} + 82069674069805431316344840 z^{68} \\
& +159449652478315589296342398 z^{67} + 296753519889677352409402560 z^{66} \\
& +529344116560728029442218304 z^{65} + 905457041486251812975706575 z^{64} \\
& +1485878221924747177391319840 z^{63} + 2340258199530947150222218440 z^{62} \\
& +3538927033438450028932353984 z^{61} + 5139870215231393763009395760 z^{60} \\
& +7171911928229703690121501008 z^{59} + 9616881903764956829245185360 z^{58} \\
& +12395092231517156606975449920 z^{57} \\
& +15359136026006774877027960840 z^{56} \\
& +18300247179927048846269022432 z^{55} \\
& +20969033227002832028819944380 z^{54} \\
& +23108730495060104858682569664 z^{53} \\
& +24495254324763005757186130896 z^{52} \\
& +24975553429172371092921669816 z^{51} \\
& +24495254324763005757186130896 z^{50} \\
& +23108730495060104858682569664 z^{49} \\
& +20969033227002832028819944380 z^{48} \\
& +18300247179927048846269022432 z^{47} \\
& +15359136026006774877027960840 z^{46} \\
& +12395092231517156606975449920 z^{45} \\
& +9616881903764956829245185360 z^{44} + 7171911928229703690121501008 z^{43} \\
& +5139870215231393763009395760 z^{42} + 3538927033438450028932353984 z^{41} \\
& +2340258199530947150222218440 z^{40} + 1485878221924747177391319840 z^{39} \\
& +905457041486251812975706575 z^{38} + 529344116560728029442218304 z^{37} \\
& +296753519889677352409402560 z^{36} + 159449652478315589296342398 z^{35} \\
& +82069674069805431316344840 z^{34} + 40440129251699515086705312 z^{33}
\end{aligned}$$

$$\left\{ \left[51, \frac{\sqrt{102}}{2} \right] \right\}$$

		$ \begin{aligned} &+19064632361564227661655135 z^{32}+8592510360140298505326864 z^{31} \\ &+3699553071675905121385620 z^{30}+1520364276048518543840736 z^{29} \\ &+595818432527618904002520 z^{28}+222438881467492430687496 z^{27} \\ &+79024339464464265568488 z^{26}+26683543198320356848032 z^{25} \\ &+8552417691053092982580 z^{24}+2598202842724354405104 z^{23} \\ &+746983318025141318610 z^{22}+202884357816887075296 z^{21} \\ &+51958188979615513320 z^{20}+12520045601969860548 z^{19} \\ &+2831915097392303560 z^{18}+599699657765753952 z^{17} \\ &+118545286828305810 z^{16}+21801431788892976 z^{15}+3716151058076100 z^{14} \\ &+584563453059360 z^{13}+84437145333320 z^{12}+11134517768616 z^{11} \\ &+1331319310200 z^{10}+143152557152 z^9+13701381540 z^8+1154358480 z^7 \\ &+84231345 z^6+5188128 z^5+291720 z^4+9826 z^3+816 z^2+1 \end{aligned} $	
$\{[102, 2, 98]\}$	x^4+x^3+x+1	$ \begin{aligned} &867 z^{100}+541008 z^{98}+168357817 z^{96}+27409934496 z^{94}+2662614995364 z^{92} \\ &+168873946113632 z^{90}+7432305353920860 z^{88}+237090565855352352 z^{86} \\ &+5663830158269020254 z^{84}+103916378293979592000 z^{82} \\ &+1493966635004442556266 z^{80}+17104835382700595078752 z^{78} \\ &+158048678936778543837636 z^{76}+1191636865020059717633568 z^{74} \\ &+7399106143426180830154204 z^{72}+38129264723073308802655200 z^{70} \\ &+164139348139444103639107701 z^{68}+593507039780031807694931728 z^{66} \\ &+1810914082971274574929952415 z^{64}+4680516399063016033443290688 z^{62} \\ &+10279740430463146910423529736 z^{60} \\ &+19233763807526879273507573184 z^{58} \\ &+30718272052018915575816599928 z^{56} \\ &+41938066454000313345221538112 z^{54} \\ &+48990508649528339847184851780 z^{52} \\ &+48990508649528091887918377728 z^{50} \\ &+41938066454000542937134940012 z^{48} \\ &+30718272052018718782747969728 z^{46} \\ &+19233763807527035350768900584 z^{44} \\ &+10279740430463032453765222976 z^{42} \\ &+4680516399063093568598917848 z^{40}+1810914082971226115457685440 z^{38} \end{aligned} $	$\left\{\left[51, \frac{\sqrt{102}}{2}\right]\right\}$

		$+593507039780059708603206653 z^{36} + 164139348139429332570020976 z^{34}$ $+38129264723080483321925895 z^{32} + 7399106143422992154922784 z^{30}$ $+1191636865021352423808468 z^{28} + 158048678936302283667936 z^{26}$ $+17104835382859348468652 z^{24} + 1493966634956816539296 z^{22}$ $+103916378306757303870 z^{20} + 5663830155226707904 z^{18}$ $+237090566492115402 z^{16} + 7432305238145760 z^{14} + 168873964123092 z^{12}$ $+2662612646304 z^{10} + 27410184396 z^8 + 168336992 z^6 + 542283 z^4 + 816 z^2 + 1$	
$\{[104, 2, 100]\}$	$x^4 + 1$	$z^{104} + 1300 z^{102} + 693550 z^{100} + 196538420 z^{98} + 32350926725 z^{96}$ $+3263715531440 z^{94} + 216069981262200 z^{92} + 9939370947058800 z^{90}$ $+331728737494346790 z^{88} + 8299720898284558600 z^{86}$ $+159660386025208517020 z^{84} + 2409420427959123147400 z^{82}$ $+28991613480944391190550 z^{80} + 281887687103362151363504 z^{78}$ $+2239441069077950251797400 z^{76} + 14672200114129246081718000 z^{74}$ $+79898412308583571014859235 z^{72} + 364029129859478332536340300 z^{70}$ $+1395444997843337536710525170 z^{68} + 4521797589010734460167166700 z^{66}$ $+12434943369676932336067725175 z^{64}$ $+29115964963320716876913895520 z^{62}$ $+58201151950973654067281922800 z^{60}$ $+99532404785455091965097620960 z^{58}$ $+145857327225819480454250128100 z^{56}$ $+183363497083880004638960860400 z^{54}$ $+197883231015520945298343813256 z^{52}$ $+183363497083880004638960860400 z^{50}$ $+145857327225819480454250128100 z^{48}$ $+99532404785455091965097620960 z^{46}$ $+58201151950973654067281922800 z^{44}$ $+29115964963320716876913895520 z^{42}$ $+12434943369676932336067725175 z^{40}$ $+4521797589010734460167166700 z^{38} + 1395444997843337536710525170 z^{36}$ $+364029129859478332536340300 z^{34} + 79898412308583571014859235 z^{32}$ $+14672200114129246081718000 z^{30} + 2239441069077950251797400 z^{28}$	$\{[52, \sqrt{26}]\}$

		$+281887687103362151363504 z^{26} + 28991613480944391190550 z^{24}$ $+2409420427959123147400 z^{22} + 159660386025208517020 z^{20}$ $+8299720898284558600 z^{18} + 331728737494346790 z^{16}$ $+9939370947058800 z^{14} + 216069981262200 z^{12} + 3263715531440 z^{10}$ $+32350926725 z^8 + 196538420 z^6 + 693550 z^4 + 1300 z^2 + 1$	
		$z^{105} + 315 z^{103} + 12005 z^{102} + 298935 z^{101} + 6028911 z^{100} + 100588285 z^{99}$ $+1422628515 z^{98} + 17426053260 z^{97} + 187814676665 z^{96} + 1803030449220 z^{95}$ $+15571617098940 z^{94} + 121977603274660 z^{93} + 872609100601140 z^{92}$ $+5734288728152460 z^{91} + 34788017615868020 z^{90} + 195682597467214410 z^{89}$ $+1024455955335206940 z^{88} + 5008451343446276110 z^{87}$ $+22933435079951501490 z^{86} + 98613770823722932470 z^{85}$ $+399150977223241648790 z^{84} + 1524031003995422093010 z^{83}$ $+5499764057605419537390 z^{82} + 18790860530052162295660 z^{81}$ $+60882388118307966770154 z^{80} + 187330424979490588407780 z^{79}$ $+548114947159519998551580 z^{78} + 1526891638516161504612900 z^{77}$ $+4054160557446374777477460 z^{76} + 10270540078861885426167564 z^{75}$ $+24848080835940233167882740 z^{74} + 57461186933119913288726535 z^{73}$ $+127111110488449930725072540 z^{72} + 269176469269635912005443485 z^{71}$ $+546043694804056272645408195 z^{70} + 1061751628785718971051955185 z^{69}$ $+1980023307735635792449481865 z^{68} + 3543199603316288787111583035 z^{67}$ $+6087035215953461923223289765 z^{66}$ $+10043608106323419494343015000 z^{65}$ $+15922793339293450581997933215 z^{64}$ $+24263304136065865303206117960 z^{63}$ $+35548561873770640824289600440 z^{62}$ $+50091155367586423543252404360 z^{61}$ $+67901343942728568079835137320 z^{60}$ $+88566970360080026211692550360 z^{59}$ $+111179813856270381482699360040 z^{58}$ $+134342275076327607041994327660 z^{57}$ $+156275707741850707725065877240 z^{56}$	

$$\{[105, 2, 101]\}$$

$$x^4+x+1$$

$$\begin{aligned}
&+175028792670871764836604515556 z^{55} \\
&+188756541115645898559124833180 z^{54} \\
&+196016408081633359186032264660 z^{53} \\
&+196016408081633359186032264660 z^{52} \\
&+188756541115645898559124833180 z^{51} \\
&+175028792670871764836604515556 z^{50} \\
&+156275707741850707725065877240 z^{49} \\
&+134342275076327607041994327660 z^{48} \\
&+111179813856270381482699360040 z^{47} \\
&+88566970360080026211692550360 z^{46} \\
&+67901343942728568079835137320 z^{45} \\
&+50091155367586423543252404360 z^{44} \\
&+35548561873770640824289600440 z^{43} \\
&+24263304136065865303206117960 z^{42} \\
&+15922793339293450581997933215 z^{41} \\
&+10043608106323419494343015000 z^{40} \\
&+6087035215953461923223289765 z^{39} + 3543199603316288787111583035 z^{38} \\
&+1980023307735635792449481865 z^{37} + 1061751628785718971051955185 z^{36} \\
&+546043694804056272645408195 z^{35} + 269176469269635912005443485 z^{34} \\
&+127111110488449930725072540 z^{33} + 57461186933119913288726535 z^{32} \\
&+24848080835940233167882740 z^{31} + 10270540078861885426167564 z^{30} \\
&+4054160557446374777477460 z^{29} + 1526891638516161504612900 z^{28} \\
&+548114947159519998551580 z^{27} + 187330424979490588407780 z^{26} \\
&+60882388118307966770154 z^{25} + 18790860530052162295660 z^{24} \\
&+5499764057605419537390 z^{23} + 1524031003995422093010 z^{22} \\
&+399150977223241648790 z^{21} + 98613770823722932470 z^{20} \\
&+22933435079951501490 z^{19} + 5008451343446276110 z^{18} \\
&+1024455955335206940 z^{17} + 195682597467214410 z^{16} \\
&+34788017615868020 z^{15} + 5734288728152460 z^{14} + 872609100601140 z^{13} \\
&+121977603274660 z^{12} + 15571617098940 z^{11} + 1803030449220 z^{10} \\
&+187814676665 z^9 + 17426053260 z^8 + 1422628515 z^7 + 100588285 z^6
\end{aligned}$$

$$\left\{ \left[\frac{105}{2}, \frac{\sqrt{105}}{2} \right] \right\}$$

		$+6028911 z^5 + 298935 z^4 + 12005 z^3 + 315 z^2 + 1$	
$\{[105, 2, 101]\}$	$x^4 + x^2 + x + 1$	$23625 z^{102} + 12072375 z^{100} + 2844995175 z^{98} + 375632312825 z^{96}$ $+ 31143210975660 z^{94} + 1745218331531220 z^{92} + 69576034732502564 z^{90}$ $+ 2048911911578393820 z^{88} + 45866870163544101210 z^{86}$ $+ 798301954402945203750 z^{84} + 10999528115454732864150 z^{82}$ $+ 121764776235614807111082 z^{80} + 1096229894322361289214220 z^{78}$ $+ 8108321114883484215257460 z^{76} + 49696161671902644283432740 z^{74}$ $+ 254222220976853792493442780 z^{72} + 1092087389608196122720849599 z^{70}$ $+ 3960046615471138734290101185 z^{68}$ $+ 12174070431907109121065999105 z^{66}$ $+ 31845586678586674174582471455 z^{64}$ $+ 71097123747541527309274052760 z^{62}$ $+ 135802687885456896395486266984 z^{60}$ $+ 222359627712540986528643532680 z^{58}$ $+ 312551415483701193830102776440 z^{56}$ $+ 377513082231292050798225786700 z^{54}$ $+ 392032816163266398946619339700 z^{52}$ $+ 350057585341743924554880135060 z^{50}$ $+ 268684550152654769456445150700 z^{48}$ $+ 177133940720160494431947007800 z^{46}$ $+ 100182310735172463578251767240 z^{44}$ $+ 48526608272132019018257271080 z^{42}$ $+ 20087216212646652921791823576 z^{40}$ $+ 7086399206632678366263869655 z^{38} + 2123503257571394387935655465 z^{36}$ $+ 538352938539284548563675225 z^{34} + 114922373866239710626415175 z^{32}$ $+ 20541080157720821210623804 z^{30} + 3053783277034779284611140 z^{28}$ $+ 374660849957629482635220 z^{26} + 37581721060685930498860 z^{24}$ $+ 3048062007785997778170 z^{22} + 197227541707266384006 z^{20}$ $+ 10016902672446228790 z^{18} + 391365197777634570 z^{16}$ $+ 11468577013685820 z^{14} + 243955257897540 z^{12} + 3606057081396 z^{10}$ $+ 34852175820 z^8 + 201197185 z^6 + 595455 z^4 + 735 z^2 + 1$	$\left\{ \left[\frac{105}{2}, \frac{\sqrt{105}}{2} \right] \right\}$

$$\{[105, 2, 101]\}$$

$$x^4 + x^3 + x^2 + x + 1$$

$$\begin{aligned} & z^{105} + 1050 z^{103} + 470925 z^{101} + 4084101 z^{100} + 118018320 z^{99} + 1293298650 z^{98} \\ & + 18229333500 z^{97} + 183605298345 z^{96} + 1821762311880 z^{95} \\ & + 15501025990800 z^{94} + 122199821692060 z^{93} + 872042838073260 z^{92} \\ & + 5735361477759600 z^{91} + 34786984689534280 z^{90} + 195680559691042650 z^{89} \\ & + 1024468974108378540 z^{88} + 5008415864767866740 z^{87} \\ & + 22933492439234185200 z^{86} + 98613744462107617890 z^{85} \\ & + 399150821330764483330 z^{84} + 1524031552174924993200 z^{83} \\ & + 5499763125620670045300 z^{82} + 18790861081408582481980 z^{81} \\ & + 60882389785624870201914 z^{80} + 187330419218997140080680 z^{79} \\ & + 548114955659249870071600 z^{78} + 1526891635652676948723900 z^{77} \\ & + 4054160540813349570012780 z^{76} + 10270540121122833589169104 z^{75} \\ & + 24848080790806302107404200 z^{74} + 57461186922958262151056055 z^{73} \\ & + 127111110609126356556415180 z^{72} + 269176469067815176921753350 z^{71} \\ & + 546043694918951055383672400 z^{70} + 1061751628982688285792723195 z^{69} \\ & + 1980023307183093459179635155 z^{68} + 3543199603874785691452939680 z^{67} \\ & + 6087035216014454486744892870 z^{66} \\ & + 10043608105291616343798400440 z^{65} \\ & + 15922793340780826391651213055 z^{64} \\ & + 24263304135432079884928210320 z^{63} \\ & + 35548561872485684725628610720 z^{62} \\ & + 50091155370333184608888783480 z^{61} \\ & + 67901343940652660910376065560 z^{60} \\ & + 88566970359281053330240821600 z^{59} \\ & + 111179813859992959649076850320 z^{58} \\ & + 134342275072423873631444983820 z^{57} \\ & + 156275707742461381184180463000 z^{56} \\ & + 175028792674551784357027344216 z^{55} \\ & + 188756541110431762188229197920 z^{54} \\ & + 196016408084059685533236547260 z^{53} \\ & + 196016408084059685533236547260 z^{52} \\ & + 188756541110431762188229197920 z^{51} \end{aligned}$$

$$\left\{ \left[\frac{105}{2}, \frac{\sqrt{105}}{2} \right] \right\}$$

		$+175028792674551784357027344216 z^{50}$ $+156275707742461381184180463000 z^{49}$ $+134342275072423873631444983820 z^{48}$ $+111179813859992959649076850320 z^{47}$ $+88566970359281053330240821600 z^{46}$ $+67901343940652660910376065560 z^{45}$ $+50091155370333184608888783480 z^{44}$ $+35548561872485684725628610720 z^{43}$ $+24263304135432079884928210320 z^{42}$ $+15922793340780826391651213055 z^{41}$ $+10043608105291616343798400440 z^{40}$ $+6087035216014454486744892870 z^{39} + 3543199603874785691452939680 z^{38}$ $+1980023307183093459179635155 z^{37} + 1061751628982688285792723195 z^{36}$ $+546043694918951055383672400 z^{35} + 269176469067815176921753350 z^{34}$ $+127111110609126356556415180 z^{33} + 57461186922958262151056055 z^{32}$ $+24848080790806302107404200 z^{31} + 10270540121122833589169104 z^{30}$ $+4054160540813349570012780 z^{29} + 1526891635652676948723900 z^{28}$ $+548114955659249870071600 z^{27} + 187330419218997140080680 z^{26}$ $+60882389785624870201914 z^{25} + 18790861081408582481980 z^{24}$ $+5499763125620670045300 z^{23} + 1524031552174924993200 z^{22}$ $+399150821330764483330 z^{21} + 98613744462107617890 z^{20}$ $+22933492439234185200 z^{19} + 5008415864767866740 z^{18}$ $+1024468974108378540 z^{17} + 195680559691042650 z^{16}$ $+34786984689534280 z^{15} + 5735361477759600 z^{14} + 872042838073260 z^{13}$ $+122199821692060 z^{12} + 15501025990800 z^{11} + 1821762311880 z^{10}$ $+183605298345 z^9 + 18229333500 z^8 + 1293298650 z^7 + 118018320 z^6$ $+4084101 z^5 + 470925 z^4 + 1050 z^2 + 1$	
		$23625 z^{102} + 12072375 z^{100} + 2844995175 z^{98} + 375632312825 z^{96}$ $+ 31143210975660 z^{94} + 1745218331531220 z^{92} + 69576034732502564 z^{90}$ $+ 2048911911578393820 z^{88} + 45866870163544101210 z^{86}$ $+ 798301954402945203750 z^{84} + 10999528115454732864150 z^{82}$	

$\{[105, 2, 101]\}$	$x^4 + x^3 + x^2 + 1$	$ \begin{aligned} &+121764776235614807111082 z^{80} + 1096229894322361289214220 z^{78} \\ &+8108321114883484215257460 z^{76} + 49696161671902644283432740 z^{74} \\ &+254222220976853792493442780 z^{72} + 1092087389608196122720849599 z^{70} \\ &+3960046615471138734290101185 z^{68} \\ &+12174070431907109121065999105 z^{66} \\ &+31845586678586674174582471455 z^{64} \\ &+71097123747541527309274052760 z^{62} \\ &+135802687885456896395486266984 z^{60} \\ &+222359627712540986528643532680 z^{58} \\ &+312551415483701193830102776440 z^{56} \\ &+377513082231292050798225786700 z^{54} \\ &+392032816163266398946619339700 z^{52} \\ &+350057585341743924554880135060 z^{50} \\ &+268684550152654769456445150700 z^{48} \\ &+177133940720160494431947007800 z^{46} \\ &+100182310735172463578251767240 z^{44} \\ &+48526608272132019018257271080 z^{42} \\ &+20087216212646652921791823576 z^{40} \\ &+7086399206632678366263869655 z^{38} + 2123503257571394387935655465 z^{36} \\ &+538352938539284548563675225 z^{34} + 114922373866239710626415175 z^{32} \\ &+20541080157720821210623804 z^{30} + 3053783277034779284611140 z^{28} \\ &+374660849957629482635220 z^{26} + 37581721060685930498860 z^{24} \\ &+3048062007785997778170 z^{22} + 197227541707266384006 z^{20} \\ &+10016902672446228790 z^{18} + 391365197777634570 z^{16} \\ &+11468577013685820 z^{14} + 243955257897540 z^{12} + 3606057081396 z^{10} \\ &+34852175820 z^8 + 201197185 z^6 + 595455 z^4 + 735 z^2 + 1 \end{aligned} $	$ \left\{ \left[\frac{105}{2}, \frac{\sqrt{105}}{2} \right] \right\} $
		$ \begin{aligned} &z^{105} + 315 z^{103} + 12005 z^{102} + 298935 z^{101} + 6028911 z^{100} + 100588285 z^{99} \\ &+ 1422628515 z^{98} + 17426053260 z^{97} + 187814676665 z^{96} + 1803030449220 z^{95} \\ &+ 15571617098940 z^{94} + 121977603274660 z^{93} + 872609100601140 z^{92} \\ &+ 5734288728152460 z^{91} + 34788017615868020 z^{90} + 195682597467214410 z^{89} \\ &+ 1024455955335206940 z^{88} + 5008451343446276110 z^{87} \end{aligned} $	

$$\{[105, 2, 101]\}$$

$$x^4 + x^3 + 1$$

$$\begin{aligned}
&+22933435079951501490 z^{86} + 98613770823722932470 z^{85} \\
&+399150977223241648790 z^{84} + 1524031003995422093010 z^{83} \\
&+5499764057605419537390 z^{82} + 18790860530052162295660 z^{81} \\
&+60882388118307966770154 z^{80} + 187330424979490588407780 z^{79} \\
&+548114947159519998551580 z^{78} + 1526891638516161504612900 z^{77} \\
&+4054160557446374777477460 z^{76} + 10270540078861885426167564 z^{75} \\
&+24848080835940233167882740 z^{74} + 57461186933119913288726535 z^{73} \\
&+127111110488449930725072540 z^{72} + 269176469269635912005443485 z^{71} \\
&+546043694804056272645408195 z^{70} + 1061751628785718971051955185 z^{69} \\
&+1980023307735635792449481865 z^{68} + 3543199603316288787111583035 z^{67} \\
&+6087035215953461923223289765 z^{66} \\
&+10043608106323419494343015000 z^{65} \\
&+15922793339293450581997933215 z^{64} \\
&+24263304136065865303206117960 z^{63} \\
&+35548561873770640824289600440 z^{62} \\
&+50091155367586423543252404360 z^{61} \\
&+67901343942728568079835137320 z^{60} \\
&+88566970360080026211692550360 z^{59} \\
&+111179813856270381482699360040 z^{58} \\
&+134342275076327607041994327660 z^{57} \\
&+156275707741850707725065877240 z^{56} \\
&+175028792670871764836604515556 z^{55} \\
&+188756541115645898559124833180 z^{54} \\
&+196016408081633359186032264660 z^{53} \\
&+196016408081633359186032264660 z^{52} \\
&+188756541115645898559124833180 z^{51} \\
&+175028792670871764836604515556 z^{50} \\
&+156275707741850707725065877240 z^{49} \\
&+134342275076327607041994327660 z^{48} \\
&+111179813856270381482699360040 z^{47} \\
&+88566970360080026211692550360 z^{46}
\end{aligned}$$

$$\left\{ \left[\frac{105}{2}, \frac{\sqrt{105}}{2} \right] \right\}$$

		$+67901343942728568079835137320 z^{45}$ $+50091155367586423543252404360 z^{44}$ $+35548561873770640824289600440 z^{43}$ $+24263304136065865303206117960 z^{42}$ $+15922793339293450581997933215 z^{41}$ $+10043608106323419494343015000 z^{40}$ $+6087035215953461923223289765 z^{39} + 3543199603316288787111583035 z^{38}$ $+1980023307735635792449481865 z^{37} + 1061751628785718971051955185 z^{36}$ $+546043694804056272645408195 z^{35} + 269176469269635912005443485 z^{34}$ $+127111110488449930725072540 z^{33} + 57461186933119913288726535 z^{32}$ $+24848080835940233167882740 z^{31} + 10270540078861885426167564 z^{30}$ $+4054160557446374777477460 z^{29} + 1526891638516161504612900 z^{28}$ $+548114947159519998551580 z^{27} + 187330424979490588407780 z^{26}$ $+60882388118307966770154 z^{25} + 18790860530052162295660 z^{24}$ $+5499764057605419537390 z^{23} + 1524031003995422093010 z^{22}$ $+399150977223241648790 z^{21} + 98613770823722932470 z^{20}$ $+22933435079951501490 z^{19} + 5008451343446276110 z^{18}$ $+1024455955335206940 z^{17} + 195682597467214410 z^{16}$ $+34788017615868020 z^{15} + 5734288728152460 z^{14} + 872609100601140 z^{13}$ $+121977603274660 z^{12} + 15571617098940 z^{11} + 1803030449220 z^{10}$ $+187814676665 z^9 + 17426053260 z^8 + 1422628515 z^7 + 100588285 z^6$ $+6028911 z^5 + 298935 z^4 + 12005 z^3 + 315 z^2 + 1$	
		$531441 z^{104} + 230291100 z^{102} + 43778338110 z^{100} + 4838349482460 z^{98}$ $+ 348582735613125 z^{96} + 17467356542397840 z^{94} + 636244183930534200 z^{92}$ $+ 17407306761236842320 z^{90} + 366927777332133089670 z^{88}$ $+ 6080517415073148067800 z^{86} + 80522793226058828540220 z^{84}$ $+ 863699869713291774111000 z^{82} + 7588220288050040710372182 z^{80}$ $+ 55123623225977309153791632 z^{78} + 333742420461054058480554840 z^{76}$ $+ 1695482884766625208414364880 z^{74} + 7269046462984921228951212915 z^{72}$ $+ 26429136215277749754133590660 z^{70}$ $+ 81828671743902189108707610210 z^{68}$	

$\{[108, 2, 104]\}$	$x^4 + 1$	$ \begin{aligned} &+216499087377741121109737448580 z^{66} \\ &+490899093472379976566607097335 z^{64} \\ &+956186060330130379350389736480 z^{62} \\ &+1602967943336238655420622816880 z^{60} \\ &+2316125109962489467837928971680 z^{58} \\ &+2887296234367022077080163442724 z^{56} \\ &+3107223061442179386100030759248 z^{54} \\ &+2887296234365134845630753391944 z^{52} \\ &+2316125109964211152668969719760 z^{50} \\ &+1602967943336197315530611951460 z^{48} \\ &+956186060329047330042949821600 z^{46} \\ &+490899093473181011682234702960 z^{44} \\ &+216499087377736409897585529120 z^{42} \\ &+81828671743572367211798089095 z^{40} \\ &+26429136215459158437361637220 z^{38} \\ &+7269046462996428182572104930 z^{36} + 1695482884714348064685769380 z^{34} \\ &+333742420478907673584076323 z^{32} + 55123623229631641922796624 z^{30} \\ &+7588220284165278506848344 z^{28} + 863699870212546952559888 z^{26} \\ &+80522793543035978001270 z^{24} + 6080517317604489116760 z^{22} \\ &+366927766903452921660 z^{20} + 17407313310018454680 z^{18} \\ &+636244319361113190 z^{16} + 17467125205663440 z^{14} + 348574707257400 z^{12} \\ &+4842352953360 z^{10} + 44228306421 z^8 + 248078844 z^6 + 809406 z^4 + 1404 z^2 + 1 \end{aligned} $	$\{[54, 3\sqrt{3}]\}$
		$ \begin{aligned} &z^{108} + 918 z^{106} + 11664 z^{105} + 369495 z^{104} + 6940080 z^{103} + 119800548 z^{102} \\ &+ 1742885424 z^{101} + 21994861851 z^{100} + 244465566480 z^{99} + 2420183772270 z^{98} \\ &+ 21561534929088 z^{97} + 174289817098845 z^{96} + 1287059863505472 z^{95} \\ &+ 8733617246653200 z^{94} + 54730689797374272 z^{93} + 318122127496456830 z^{92} \\ &+ 1721602082540887488 z^{91} + 8703655100180601540 z^{90} \\ &+ 41227839575499941280 z^{89} + 183463885573844386770 z^{88} \\ &+ 768801046434133303008 z^{87} + 3040258684202307157320 z^{86} \\ &+ 11367923771180754592992 z^{85} + 40261396694101410874050 z^{84} \\ &+ 135278292887785087236000 z^{83} + 431849934961974854335332 z^{82} \end{aligned} $	

$\{[108, 2, 104]\}$

$$x^4 + x^2 + 1$$

$$\begin{aligned}
& +1311544246980581879263936 z^{81} + 3794110143115897599635214 z^{80} \\
& +10466510739443775809110080 z^{79} + 27561811613817041983540944 z^{78} \\
& +69349074383425281718771008 z^{77} + 166871210234892784039575387 z^{76} \\
& +384309453874408105929697728 z^{75} + 847741442371023861584050050 z^{74} \\
& +1792367621011459115134307568 z^{73} + 3634523231493388727817718125 z^{72} \\
& +7072585747774915005341898192 z^{71} \\
& +13214568107686783067717043420 z^{70} \\
& +23718455577893926135553213520 z^{69} \\
& +40914335871868225791920611905 z^{68} \\
& +67857922909442150024596367472 z^{67} \\
& +108249543688863279280714777530 z^{66} \\
& +166150462406170336509700568448 z^{65} \\
& +245449546736405227621552110375 z^{64} \\
& +349083799802865557566620958848 z^{63} \\
& +478093030164775007034243962400 z^{62} \\
& +630675912132285772537705076352 z^{61} \\
& +801483971668120977065017532820 z^{60} \\
& +981408944899718826658793781120 z^{59} \\
& +1158062554981682908649241624216 z^{58} \\
& +1317012317430146794360610700480 z^{57} \\
& +1443648117183009595391267808588 z^{56} \\
& +1525364048344340423711991933504 z^{55} \\
& +1553611530721128900685312923120 z^{54} \\
& +1525364048344340423711991933504 z^{53} \\
& +1443648117183009595391267808588 z^{52} \\
& +1317012317430146794360610700480 z^{51} \\
& +1158062554981682908649241624216 z^{50} \\
& +981408944899718826658793781120 z^{49} \\
& +801483971668120977065017532820 z^{48} \\
& +630675912132285772537705076352 z^{47} \\
& +478093030164775007034243962400 z^{46}
\end{aligned}$$

$\{[54, 3\sqrt{3}]\}$

		$ \begin{aligned} &+349083799802865557566620958848 z^{45} \\ &+245449546736405227621552110375 z^{44} \\ &+166150462406170336509700568448 z^{43} \\ &+108249543688863279280714777530 z^{42} \\ &+67857922909442150024596367472 z^{41} \\ &+40914335871868225791920611905 z^{40} \\ &+23718455577893926135553213520 z^{39} \\ &+13214568107686783067717043420 z^{38} \\ &+7072585747774915005341898192 z^{37} + 3634523231493388727817718125 z^{36} \\ &+1792367621011459115134307568 z^{35} + 847741442371023861584050050 z^{34} \\ &+384309453874408105929697728 z^{33} + 166871210234892784039575387 z^{32} \\ &+69349074383425281718771008 z^{31} + 27561811613817041983540944 z^{30} \\ &+10466510739443775809110080 z^{29} + 3794110143115897599635214 z^{28} \\ &+1311544246980581879263936 z^{27} + 431849934961974854335332 z^{26} \\ &+135278292887785087236000 z^{25} + 40261396694101410874050 z^{24} \\ &+11367923771180754592992 z^{23} + 3040258684202307157320 z^{22} \\ &+768801046434133303008 z^{21} + 183463885573844386770 z^{20} \\ &+41227839575499941280 z^{19} + 8703655100180601540 z^{18} \\ &+1721602082540887488 z^{17} + 318122127496456830 z^{16} \\ &+54730689797374272 z^{15} + 8733617246653200 z^{14} + 1287059863505472 z^{13} \\ &+174289817098845 z^{12} + 21561534929088 z^{11} + 2420183772270 z^{10} \\ &+244465566480 z^9 + 21994861851 z^8 + 1742885424 z^7 + 119800548 z^6 \\ &+6940080 z^5 + 369495 z^4 + 11664 z^3 + 918 z^2 + 1 \end{aligned} $	
		$ \begin{aligned} &z^{108} + 918 z^{106} + 684423 z^{104} + 239263236 z^{102} + 44000665803 z^{100} \\ &+ 4840353850734 z^{98} + 348578909153181 z^{96} + 17467239562465680 z^{94} \\ &+ 636244252523334846 z^{92} + 17407310067510772164 z^{90} \\ &+ 366927771928558301874 z^{88} + 6080517366732833166216 z^{86} \\ &+ 80522793385347088343970 z^{84} + 863699869954903797182052 z^{82} \\ &+ 7588220286133135801316430 z^{80} + 55123623227768666358520656 z^{78} \\ &+ 333742420469946025426414491 z^{76} + 1695482884740789423201920130 z^{74} \\ &+ 7269046462989914641006130109 z^{72} \end{aligned} $	

$\{[108, 2, 104]\}$	$x^4 + x^3 + x + 1$	$ \begin{aligned} &+26429136215369439773700183996 z^{70} \\ &+81828671743737177122443792401 z^{68} \\ &+216499087377736220046925049274 z^{66} \\ &+490899093472786642450592643495 z^{64} \\ &+956186060329580869385036776224 z^{62} \\ &+1602967943336223059738413236756 z^{60} \\ &+2316125109963353075024161346712 z^{58} \\ &+2887296234366066982722048803724 z^{56} \\ &+3107223061442194679766264647024 z^{54} \\ &+2887296234366066982722048803724 z^{52} \\ &+2316125109963353075024161346712 z^{50} \\ &+1602967943336223059738413236756 z^{48} \\ &+956186060329580869385036776224 z^{46} \\ &+490899093472786642450592643495 z^{44} \\ &+216499087377736220046925049274 z^{42} \\ &+81828671743737177122443792401 z^{40} \\ &+26429136215369439773700183996 z^{38} \\ &+7269046462989914641006130109 z^{36} + 1695482884740789423201920130 z^{34} \\ &+333742420469946025426414491 z^{32} + 55123623227768666358520656 z^{30} \\ &+7588220286133135801316430 z^{28} + 863699869954903797182052 z^{26} \\ &+80522793385347088343970 z^{24} + 6080517366732833166216 z^{22} \\ &+366927771928558301874 z^{20} + 17407310067510772164 z^{18} \\ &+636244252523334846 z^{16} + 17467239562465680 z^{14} + 348578909153181 z^{12} \\ &+4840353850734 z^{10} + 44000665803 z^8 + 239263236 z^6 + 684423 z^4 + 918 z^2 + 1 \end{aligned} $	$\{[54, 3\sqrt{3}]\}$
		$ \begin{aligned} &z^{110} + 1155 z^{108} + 570185 z^{106} + 5153632 z^{105} + 157432275 z^{104} + 1803771200 z^{103} \\ &+ 26828456215 z^{102} + 283372455520 z^{101} + 2963757664021 z^{100} \\ &+ 26513169041920 z^{99} + 220293120791975 z^{98} + 1655877113278080 z^{97} \\ &+ 11485044466404685 z^{96} + 73480279454193920 z^{95} + 436318455644009070 z^{94} \\ &+ 2412598166045837440 z^{93} + 12464896884876476810 z^{92} \\ &+ 60356941624692078080 z^{91} + 274622981861422458110 z^{90} \\ &+ 1176956583790001685440 z^{89} + 4761325859282408794570 z^{88} \end{aligned} $	

$$\{[110, 2, 106]\}$$

$$x^4 + x^3 + x^2 + x + 1$$

$$\begin{aligned}
&+18217239036364664208000 z^{87} + 66037507187876784863930 z^{86} \\
&+227169009728030626531264 z^{85} + 742667904118379352842190 z^{84} \\
&+2310522443395203632770560 z^{83} + 6849048532876115194109690 z^{82} \\
&+19366275265530905121111680 z^{81} + 52288943358208671903265598 z^{80} \\
&+134939208108445674838488320 z^{79} + 333131170809330189057911435 z^{78} \\
&+787400948920401609014418560 z^{77} + 1783231559536184911372949345 z^{76} \\
&+3872159960745185551596982784 z^{75} + 8066999915564051083276516675 z^{74} \\
&+16133999830087827785749996960 z^{73} \\
&+30994262838294549533249978545 z^{72} \\
&+57220177538164771022754713280 z^{71} \\
&+101565815133663679216629863685 z^{70} \\
&+173405050238750452976182523040 z^{69} \\
&+284879725370354440710823637055 z^{68} \\
&+450507472695252899835833041920 z^{67} \\
&+686000015249065967352862020885 z^{66} \\
&+1006133355662170530759338190080 z^{65} \\
&+1421710176518661933384173970695 z^{64} \\
&+1935945772275422281595253486080 z^{63} \\
&+2540928826067115579900683988340 z^{62} \\
&+3215052800395361499080979155200 z^{61} \\
&+3922364416451047115825821771996 z^{60} \\
&+4614546372258421203538400558080 z^{59} \\
&+5235735307067074847407892759380 z^{58} \\
&+5729672600126889395510820565120 z^{57} \\
&+6047987744564318588575487777500 z^{56} \\
&+6157951158179233103933574099712 z^{55} \\
&+6047987744564318588575487777500 z^{54} \\
&+5729672600126889395510820565120 z^{53} \\
&+5235735307067074847407892759380 z^{52} \\
&+4614546372258421203538400558080 z^{51} \\
&+3922364416451047115825821771996 z^{50}
\end{aligned}$$

$$\left\{ \left[55, \frac{\sqrt{110}}{2} \right] \right\}$$

		$+3215052800395361499080979155200 z^{49}$ $+2540928826067115579900683988340 z^{48}$ $+1935945772275422281595253486080 z^{47}$ $+1421710176518661933384173970695 z^{46}$ $+1006133355662170530759338190080 z^{45}$ $+686000015249065967352862020885 z^{44}$ $+450507472695252899835833041920 z^{43}$ $+284879725370354440710823637055 z^{42}$ $+173405050238750452976182523040 z^{41}$ $+101565815133663679216629863685 z^{40}$ $+57220177538164771022754713280 z^{39}$ $+30994262838294549533249978545 z^{38}$ $+16133999830087827785749996960 z^{37}$ $+8066999915564051083276516675 z^{36} + 3872159960745185551596982784 z^{35}$ $+1783231559536184911372949345 z^{34} + 787400948920401609014418560 z^{33}$ $+333131170809330189057911435 z^{32} + 134939208108445674838488320 z^{31}$ $+52288943358208671903265598 z^{30} + 19366275265530905121111680 z^{29}$ $+6849048532876115194109690 z^{28} + 2310522443395203632770560 z^{27}$ $+742667904118379352842190 z^{26} + 227169009728030626531264 z^{25}$ $+66037507187876784863930 z^{24} + 18217239036364664208000 z^{23}$ $+4761325859282408794570 z^{22} + 1176956583790001685440 z^{21}$ $+274622981861422458110 z^{20} + 60356941624692078080 z^{19}$ $+12464896884876476810 z^{18} + 2412598166045837440 z^{17}$ $+436318455644009070 z^{16} + 73480279454193920 z^{15} + 11485044466404685 z^{14}$ $+1655877113278080 z^{13} + 220293120791975 z^{12} + 26513169041920 z^{11}$ $+2963757664021 z^{10} + 283372455520 z^9 + 26828456215 z^8 + 1803771200 z^7$ $+157432275 z^6 + 5153632 z^5 + 570185 z^4 + 1155 z^2 + 1$	
		$z^{112} + 1512 z^{110} + 939204 z^{108} + 310422168 z^{106} + 59759115066 z^{104}$ $+ 7077716176440 z^{102} + 552112765544340 z^{100} + 30032327504521800 z^{98}$ $+ 1189538044661937915 z^{96} + 35452911188848787760 z^{94}$ $+ 815603409190976920920 z^{92} + 14779722280332417604560 z^{90}$	

$\{[112, 2, 108]\}$	x^4+1	$+214466624106972876589860 z^{88} + 2526086881943614223195472 z^{86}$ $+24425522614119999378001432 z^{84} + 195741084705020510918819760 z^{82}$ $+1310597061136019277029849097 z^{80} + 7382329256799583484413567608 z^{78}$ $+35189102790931600442279488140 z^{76}$ $+142658524828665032932035050760 z^{74}$ $+494000866103972437973479999590 z^{72}$ $+1466511281953710206422934163240 z^{70}$ $+3743789372009481929402449526940 z^{68}$ $+8239953806215150366652023396440 z^{66}$ $+15669061094265992254308411080955 z^{64}$ $+25786797686570531738568425755680 z^{62}$ $+36774384936118889728618095373584 z^{60}$ $+45486136503795014558278724198880 z^{58}$ $+48823755610900528027570700518008 z^{56}$ $+45486136503795014558278724198880 z^{54}$ $+36774384936118889728618095373584 z^{52}$ $+25786797686570531738568425755680 z^{50}$ $+15669061094265992254308411080955 z^{48}$ $+8239953806215150366652023396440 z^{46}$ $+3743789372009481929402449526940 z^{44}$ $+1466511281953710206422934163240 z^{42}$ $+494000866103972437973479999590 z^{40}$ $+142658524828665032932035050760 z^{38}$ $+35189102790931600442279488140 z^{36}$ $+7382329256799583484413567608 z^{34} + 1310597061136019277029849097 z^{32}$ $+195741084705020510918819760 z^{30} + 24425522614119999378001432 z^{28}$ $+2526086881943614223195472 z^{26} + 214466624106972876589860 z^{24}$ $+14779722280332417604560 z^{22} + 815603409190976920920 z^{20}$ $+35452911188848787760 z^{18} + 1189538044661937915 z^{16}$ $+30032327504521800 z^{14} + 552112765544340 z^{12} + 7077716176440 z^{10}$ $+59759115066 z^8 + 310422168 z^6 + 939204 z^4 + 1512 z^2 + 1$	$\{[56, 2\sqrt{7}]\}$
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$$\{[112, 2, 108]\}$$

$$x^4 + x^2 + x + 1$$

$$\begin{aligned} & z^{112} + 840 z^{110} + 773892 z^{108} + 299084856 z^{106} + 59436208314 z^{104} \\ & + 7074249129304 z^{102} + 552113117698772 z^{100} + 30032524665609768 z^{98} \\ & + 1189538262935870715 z^{96} + 35452905014339796592 z^{94} \\ & + 815603409862317347544 z^{92} + 14779722396047899062416 z^{90} \\ & + 214466623900811292329508 z^{88} + 2526086880898790325386256 z^{86} \\ & + 24425522618203628372565912 z^{84} + 195741084705937258184205040 z^{82} \\ & + 1310597061105490949471897097 z^{80} + 7382329256851384206786010008 z^{78} \\ & + 35189102790990553338540130636 z^{76} \\ & + 142658524828341947072669173992 z^{74} \\ & + 494000866104294144319615425254 z^{72} \\ & + 1466511281954214502899124067976 z^{70} \\ & + 3743789372007849277268686959708 z^{68} \\ & + 8239953806216310184013598417400 z^{66} \\ & + 15669061094267721655302633901307 z^{64} \\ & + 25786797686566297309058271166368 z^{62} \\ & + 36774384936121335212379776708112 z^{60} \\ & + 45486136503797856177430084551264 z^{58} \\ & + 48823755610894735543782633618552 z^{56} \\ & + 45486136503797856177430084551264 z^{54} \\ & + 36774384936121335212379776708112 z^{52} \\ & + 25786797686566297309058271166368 z^{50} \\ & + 15669061094267721655302633901307 z^{48} \\ & + 8239953806216310184013598417400 z^{46} \\ & + 3743789372007849277268686959708 z^{44} \\ & + 1466511281954214502899124067976 z^{42} \\ & + 494000866104294144319615425254 z^{40} \\ & + 142658524828341947072669173992 z^{38} \\ & + 35189102790990553338540130636 z^{36} \\ & + 7382329256851384206786010008 z^{34} + 1310597061105490949471897097 z^{32} \\ & + 195741084705937258184205040 z^{30} + 24425522618203628372565912 z^{28} \\ & + 2526086880898790325386256 z^{26} + 214466623900811292329508 z^{24} \end{aligned}$$

$$\{[56, 2\sqrt{7}]\}$$

		$+14779722396047899062416 z^{22} + 815603409862317347544 z^{20}$ $+35452905014339796592 z^{18} + 1189538262935870715 z^{16}$ $+30032524665609768 z^{14} + 552113117698772 z^{12} + 7074249129304 z^{10}$ $+59436208314 z^8 + 299084856 z^6 + 773892 z^4 + 840 z^2 + 1$	
$\{[112, 2, 108]\}$	$x^4 + x^3 + x^2 + 1$	$z^{112} + 840 z^{110} + 773892 z^{108} + 299084856 z^{106} + 59436208314 z^{104}$ $+ 7074249129304 z^{102} + 552113117698772 z^{100} + 30032524665609768 z^{98}$ $+ 1189538262935870715 z^{96} + 35452905014339796592 z^{94}$ $+ 815603409862317347544 z^{92} + 14779722396047899062416 z^{90}$ $+ 214466623900811292329508 z^{88} + 2526086880898790325386256 z^{86}$ $+ 24425522618203628372565912 z^{84} + 195741084705937258184205040 z^{82}$ $+ 1310597061105490949471897097 z^{80} + 7382329256851384206786010008 z^{78}$ $+ 35189102790990553338540130636 z^{76}$ $+ 142658524828341947072669173992 z^{74}$ $+ 494000866104294144319615425254 z^{72}$ $+ 1466511281954214502899124067976 z^{70}$ $+ 3743789372007849277268686959708 z^{68}$ $+ 8239953806216310184013598417400 z^{66}$ $+ 15669061094267721655302633901307 z^{64}$ $+ 25786797686566297309058271166368 z^{62}$ $+ 36774384936121335212379776708112 z^{60}$ $+ 45486136503797856177430084551264 z^{58}$ $+ 48823755610894735543782633618552 z^{56}$ $+ 45486136503797856177430084551264 z^{54}$ $+ 36774384936121335212379776708112 z^{52}$ $+ 25786797686566297309058271166368 z^{50}$ $+ 15669061094267721655302633901307 z^{48}$ $+ 8239953806216310184013598417400 z^{46}$ $+ 3743789372007849277268686959708 z^{44}$ $+ 1466511281954214502899124067976 z^{42}$ $+ 494000866104294144319615425254 z^{40}$ $+ 142658524828341947072669173992 z^{38}$	$\{[56, 2\sqrt{7}]\}$

		$+35189102790990553338540130636 z^{36}$ $+7382329256851384206786010008 z^{34} + 1310597061105490949471897097 z^{32}$ $+195741084705937258184205040 z^{30} + 24425522618203628372565912 z^{28}$ $+2526086880898790325386256 z^{26} + 214466623900811292329508 z^{24}$ $+14779722396047899062416 z^{22} + 815603409862317347544 z^{20}$ $+35452905014339796592 z^{18} + 1189538262935870715 z^{16}$ $+30032524665609768 z^{14} + 552113117698772 z^{12} + 7074249129304 z^{10}$ $+59436208314 z^8 + 299084856 z^6 + 773892 z^4 + 840 z^2 + 1$	
		$z^{114} + 1026 z^{112} + 13718 z^{111} + 461871 z^{110} + 9136188 z^{109} + 167096773 z^{108}$ $+2571836922 z^{107} + 34386859053 z^{106} + 405116848296 z^{105}$ $+4253648656881 z^{104} + 40216410846930 z^{103} + 345192136311681 z^{102}$ $+2708423611723308 z^{101} + 19539338297931651 z^{100}$ $+130262288373022590 z^{99} + 805997879378777160 z^{98}$ $+4646340760431975840 z^{97} + 25038614378594119785 z^{96}$ $+126510892660112912340 z^{95} + 600926739289378063890 z^{94}$ $+2689862551649652155880 z^{93} + 11370782603808525929190 z^{92}$ $+45483130410932336809740 z^{91} + 172456869492105565103790 z^{90}$ $+620844730135181960025168 z^{89} + 2125199268471364316992926 z^{88}$ $+6926575393734215349680044 z^{87} + 21521859259216582978003446 z^{86}$ $+63823444699285885444175400 z^{85} + 180833093314775291611160258 z^{84}$ $+489999349627375410398329908 z^{83} + 1270935813094689834356296263 z^{82}$ $+3158082929510028640458884896 z^{81} + 7523668155601205753220769428 z^{80}$ $+17196955784223551325945115218 z^{79}$ $+37737764082040606012215984741 z^{78}$ $+79555286443235250697209669684 z^{77}$ $+161204133056029387421064755511 z^{76}$ $+314141387493789610913761041630 z^{75}$ $+589015101550876313346255794295 z^{74}$ $+1063100427189368371674041247960 z^{73}$ $+1847769790114798894952120536395 z^{72}$ $+3093940113680670760727643216150 z^{71}$	

$$\{[114, 2, 110]\}$$

$$x^4 + x^2 + 1$$

$$\begin{aligned}
&+4992494274348435246409487911395 z^{70} \\
&+7766102204541875094083467068900 z^{69} \\
&+11649153306812761529019013860105 z^{68} \\
&+16854094146027104046028399735770 z^{67} \\
&+23525506412162774423351139440130 z^{66} \\
&+31687416800055967988687899179840 z^{65} \\
&+41193641840072971871210623058031 z^{64} \\
&+51693981916954133699163481610424 z^{63} \\
&+62629247322463346957162393885196 z^{62} \\
&+73264402528165019710529281548144 z^{61} \\
&+82761639892927417408665707317956 z^{60} \\
&+90285425337738640000493971375752 z^{59} \\
&+95122144552260292450499435497428 z^{58} \\
&+96790954105808909864317362779232 z^{57} \\
&+95122144552260292450499435497428 z^{56} \\
&+90285425337738640000493971375752 z^{55} \\
&+82761639892927417408665707317956 z^{54} \\
&+73264402528165019710529281548144 z^{53} \\
&+62629247322463346957162393885196 z^{52} \\
&+51693981916954133699163481610424 z^{51} \\
&+41193641840072971871210623058031 z^{50} \\
&+31687416800055967988687899179840 z^{49} \\
&+23525506412162774423351139440130 z^{48} \\
&+16854094146027104046028399735770 z^{47} \\
&+11649153306812761529019013860105 z^{46} \\
&+7766102204541875094083467068900 z^{45} \\
&+4992494274348435246409487911395 z^{44} \\
&+3093940113680670760727643216150 z^{43} \\
&+1847769790114798894952120536395 z^{42} \\
&+1063100427189368371674041247960 z^{41} \\
&+589015101550876313346255794295 z^{40}
\end{aligned}$$

$$\left\{ \left[57, \frac{\sqrt{114}}{2} \right] \right\}$$

		$+314141387493789610913761041630 z^{39}$ $+161204133056029387421064755511 z^{38}$ $+79555286443235250697209669684 z^{37}$ $+37737764082040606012215984741 z^{36}$ $+17196955784223551325945115218 z^{35}$ $+7523668155601205753220769428 z^{34} + 3158082929510028640458884896 z^{33}$ $+1270935813094689834356296263 z^{32} + 489999349627375410398329908 z^{31}$ $+180833093314775291611160258 z^{30} + 63823444699285885444175400 z^{29}$ $+21521859259216582978003446 z^{28} + 6926575393734215349680044 z^{27}$ $+2125199268471364316992926 z^{26} + 620844730135181960025168 z^{25}$ $+172456869492105565103790 z^{24} + 45483130410932336809740 z^{23}$ $+11370782603808525929190 z^{22} + 2689862551649652155880 z^{21}$ $+600926739289378063890 z^{20} + 126510892660112912340 z^{19}$ $+25038614378594119785 z^{18} + 4646340760431975840 z^{17}$ $+805997879378777160 z^{16} + 130262288373022590 z^{15}$ $+19539338297931651 z^{14} + 2708423611723308 z^{13} + 345192136311681 z^{12}$ $+40216410846930 z^{11} + 4253648656881 z^{10} + 405116848296 z^9$ $+34386859053 z^8 + 2571836922 z^7 + 167096773 z^6 + 9136188 z^5 + 461871 z^4$ $+13718 z^3 + 1026 z^2 + 1$	
		$1083 z^{112} + 851238 z^{110} + 333545950 z^{108} + 68788471302 z^{106} + 8507323637616 z^{104}$ $+ 690382856191146 z^{102} + 39078683891413914 z^{100}$ $+ 1611995774077298970 z^{98} + 50077228434638014695 z^{96}$ $+ 1201853479983010968660 z^{94} + 22741565206665746507460 z^{92}$ $+ 344913738966414819400020 z^{90} + 4250398537037630107616328 z^{88}$ $+ 43043718518211910131170076 z^{86} + 361666186629608385126615772 z^{84}$ $+ 2541871626190777863422275836 z^{82}$ $+ 15047336311197207124659079815 z^{80}$ $+ 75475528164090737718957048738 z^{78}$ $+ 322408266112053290219909475306 z^{76}$ $+ 1178030203101731289132669795330 z^{74}$ $+ 3695539580229673327396074493320 z^{72}$	

$\{[114, 2, 110]\}$	x^4+x^3+x+1	$ \begin{aligned} &+9984988548696742237022820678270 z^{70} \\ &+23298306613625636993857751950830 z^{68} \\ &+47051012824325572957480376517390 z^{66} \\ &+82387283680145684820368440246083 z^{64} \\ &+125258494644927147206365020876600 z^{62} \\ &+165523279785854392066994878114648 z^{60} \\ &+190244289104520765317580908515896 z^{58} \\ &+190244289104520780351214158286416 z^{56} \\ &+165523279785854378035603844995496 z^{54} \\ &+125258494644927159427253985206184 z^{52} \\ &+82387283680145674890896156728296 z^{50} \\ &+47051012824325580479807864030865 z^{48} \\ &+23298306613625631683979525470730 z^{46} \\ &+9984988548696745726371369508050 z^{44} \\ &+3695539580229671195016405764010 z^{42} \\ &+1178030203101732499402211506560 z^{40} \\ &+322408266112052653235940153606 z^{38} \\ &+75475528164091048044480564438 z^{36} \\ &+15047336311197067478173497750 z^{34} \\ &+2541871626190835765623614741 z^{32}+361666186629586327145153332 z^{30} \\ &+43043718518219604775866276 z^{28}+4250398537035181811576628 z^{26} \\ &+344913738967122104922600 z^{24}+22741565206481237240700 z^{22} \\ &+1201853480026193988540 z^{20}+50077228425641552220 z^{18} \\ &+1611995775729710445 z^{16}+39078683627028078 z^{14}+690382892479398 z^{12} \\ &+8507319450510 z^{10}+68788866312 z^8+333516690 z^6+852834 z^4+1026 z^2+1 \end{aligned} $	$\left\{ \left[57, \frac{\sqrt{114}}{2} \right] \right\}$
		$ \begin{aligned} &z^{115}+1265 z^{113}+684365 z^{111}+6436343 z^{110}+207253805 z^{109}+2477992055 z^{108} \\ &+38787104895 z^{107}+428692625515 z^{106}+4713935531503 z^{105} \\ &+44228264194235 z^{104}+386315570508075 z^{103}+3050731420668745 z^{102} \\ &+22255300738819115 z^{101}+149786580262489961 z^{100} \\ &+936277501500209550 z^{99}+5452356837231367965 z^{98} \\ &+29684790001058906670 z^{97}+151550012224208737645 z^{96} \end{aligned} $	

$$\{[115, 2, 111]\}$$

$$x^4 + x^3 + x^2 + x + 1$$

$$\begin{aligned}
&+727436689329121430230 z^{95} + 3290790080926902428930 z^{94} \\
&+14060646752123904929430 z^{93} + 56853904997112642785410 z^{92} \\
&+217940016759462812266250 z^{91} + 793301582572704043876154 z^{90} \\
&+2746043984845803442622250 z^{89} + 9051774754360830369941530 z^{88} \\
&+28448434469780435960127410 z^{87} + 85345304114458485779320870 z^{86} \\
&+244656538186005507478748722 z^{85} + 670832442126474349200677990 z^{84} \\
&+1760935164024808535822863915 z^{83} + 4429018741959716609590835070 z^{82} \\
&+10681751083241147115482147835 z^{81} \\
&+24720623945015383883705606622 z^{80} \\
&+54934719860515641214340134415 z^{79} \\
&+117293050524783346091659500925 z^{78} \\
&+240759419512127825836182596655 z^{77} \\
&+475345520528045522019815433085 z^{76} \\
&+903156489057440422033349804189 z^{75} \\
&+1652115528759072308531663168985 z^{74} \\
&+2910870217250427623526239048045 z^{73} \\
&+4941709903849392309347677729225 z^{72} \\
&+8086434388033760815899447183105 z^{71} \\
&+12758596478796768417297807267515 z^{70} \\
&+19415255511487629078893892975745 z^{69} \\
&+28503247452784026679194227461275 z^{68} \\
&+40379600558079141650603199328180 z^{67} \\
&+55212923212452229490948897165015 z^{66} \\
&+72881058639955021550709617155956 z^{65} \\
&+92887623756959988430489882739015 z^{64} \\
&+114323229239723838604954050889060 z^{63} \\
&+135893649850310943023753230235820 z^{62} \\
&+156026042421140918390628622494180 z^{61} \\
&+173047065230962764130839924267948 z^{60} \\
&+185407569889580171613283928044860 z^{59} \\
&+191913098658263846458405803541500 z^{58}
\end{aligned}$$

$$\left\{ \left[\frac{115}{2}, \right. \right.$$

$$\begin{aligned}
& +191913098658263846458405803541500 z^{57} \\
& +185407569889580171613283928044860 z^{56} \\
& +173047065230962764130839924267948 z^{55} \\
& +156026042421140918390628622494180 z^{54} \\
& +135893649850310943023753230235820 z^{53} \\
& +114323229239723838604954050889060 z^{52} \\
& +92887623756959988430489882739015 z^{51} \\
& +72881058639955021550709617155956 z^{50} \\
& +55212923212452229490948897165015 z^{49} \\
& +40379600558079141650603199328180 z^{48} \\
& +28503247452784026679194227461275 z^{47} \\
& +19415255511487629078893892975745 z^{46} \\
& +12758596478796768417297807267515 z^{45} \\
& +8086434388033760815899447183105 z^{44} \\
& +4941709903849392309347677729225 z^{43} \\
& +2910870217250427623526239048045 z^{42} \\
& +1652115528759072308531663168985 z^{41} \\
& +903156489057440422033349804189 z^{40} \\
& +475345520528045522019815433085 z^{39} \\
& +240759419512127825836182596655 z^{38} \\
& +117293050524783346091659500925 z^{37} \\
& +54934719860515641214340134415 z^{36} \\
& +24720623945015383883705606622 z^{35} \\
& +10681751083241147115482147835 z^{34} \\
& +4429018741959716609590835070 z^{33} + 1760935164024808535822863915 z^{32} \\
& +670832442126474349200677990 z^{31} + 244656538186005507478748722 z^{30} \\
& +85345304114458485779320870 z^{29} + 28448434469780435960127410 z^{28} \\
& +9051774754360830369941530 z^{27} + 2746043984845803442622250 z^{26} \\
& +793301582572704043876154 z^{25} + 217940016759462812266250 z^{24} \\
& +56853904997112642785410 z^{23} + 14060646752123904929430 z^{22} \\
& +3290790080926902428930 z^{21} + 727436689329121430230 z^{20}
\end{aligned}$$

$$\left. \frac{\sqrt{115}}{2} \right\}$$

		$+151550012224208737645 z^{19} + 29684790001058906670 z^{18}$ $+5452356837231367965 z^{17} + 936277501500209550 z^{16}$ $+149786580262489961 z^{15} + 22255300738819115 z^{14} + 3050731420668745 z^{13}$ $+386315570508075 z^{12} + 44228264194235 z^{11} + 4713935531503 z^{10}$ $+428692625515 z^9 + 38787104895 z^8 + 2477992055 z^7 + 207253805 z^6$ $+6436343 z^5 + 684365 z^4 + 1265 z^2 + 1$	
$\{[116, 2,$ $112]\}$	$x^4 + 1$	$707281 z^{112} + 356469624 z^{110} + 78958021716 z^{108} + 10190804535144 z^{106}$ $+859746301775466 z^{104} + 50603076209049000 z^{102}$ $+2172124536916194180 z^{100} + 70274576821889074680 z^{98}$ $+1757974262814325251675 z^{96} + 34702869126971295820560 z^{94}$ $+549587825715262283747640 z^{92} + 7078691193573917011414320 z^{90}$ $+75000418636926444769792836 z^{88} + 660003683959417069679865584 z^{86}$ $+4863535211249689254649597112 z^{84}$ $+30221539655486420439575051472 z^{82}$ $+159310687612518701090777948409 z^{80}$ $+716104940048204579884066522536 z^{78}$ $+2757004019189101286955025760700 z^{76}$ $+9125971492091674644028332988920 z^{74}$ $+26056288583644246127338861941750 z^{72}$ $+64347703980489826231269446511480 z^{70}$ $+137765696022070661864442855232620 z^{68}$ $+256187963704680522008695247593320 z^{66}$ $+414421705992888810797189825788731 z^{64}$ $+583839384543464196619109880968544 z^{62}$ $+716909270241305216269057379988048 z^{60}$ $+767652394632276980971825163911200 z^{58}$ $+716909270241354543591150173815608 z^{56}$ $+583839384543418912520139447290784 z^{54}$ $+414421705992889855296496435494096 z^{52}$ $+256187963704709902763384398015200 z^{50}$ $+137765696022048437478604584566955 z^{48}$	$\{[58, \sqrt{29}]\}$

		$+64347703980490015286458081966920 z^{46}$ $+26056288583653936023717777091980 z^{44}$ $+9125971492086063066046369757400 z^{42}$ $+2757004019188806879850036182966 z^{40}$ $+716104940049952315183145971224 z^{38}$ $+159310687611850242939235356444 z^{36}$ $+30221539655369264619967897928 z^{34}$ $+4863535211409614099599269993 z^{32} + 660003683930843712572659344 z^{30}$ $+75000418623340605245093624 z^{28} + 7078691199526854724868016 z^{26}$ $+549587825923848986447940 z^{24} + 34702868656479556802160 z^{22}$ $+1757974296000378361080 z^{20} + 70274597621493533520 z^{18}$ $+2172122674836453771 z^{16} + 50602449723047064 z^{14} + 859765095336420 z^{12}$ $+10202318749896 z^{10} + 79867270954 z^8 + 385308616 z^6 + 1084020 z^4 + 1624 z^2$ $+1$	
		$34391 z^{116} + 22835624 z^{114} + 7001992861 z^{112} + 1209046144208 z^{110}$ $+131785722882170 z^{108} + 9762282562198208 z^{106} + 517400970158925958 z^{104}$ $+20376467619539364592 z^{102} + 613796401933595415521 z^{100}$ $+14468058044558575786120 z^{98} + 271805058842169037707235 z^{96}$ $+4131436894381774947602528 z^{94} + 51448748334367811153315988 z^{92}$ $+530454336274893890917662528 z^{90} + 4568751864045306772194822476 z^{88}$ $+33123451014328218289795942816 z^{86}$ $+203472627659444445579547859239 z^{84}$ $+1065023393424662217751855274184 z^{82}$ $+4773202010206878716270946784669 z^{80}$ $+18394290673480186305759145530352 z^{78}$ $+61171710844364302539471655874102 z^{76}$ $+176100379703473054518723692237440 z^{74}$ $+440006591655023705719949595796330 z^{72}$ $+956340857372653667441692638176720 z^{70}$ $+1811422094552908613391431873970409 z^{68}$ $+2994498934246390355344460589077032 z^{66}$	

$\{[119, 2, 115]\}$	x^4+x^2+x+1	$ \begin{aligned} &+4325387349467008288351438898225515 z^{64} \\ &+5463647178274115658282318164298816 z^{62} \\ &+6038431802522707751076909830459352 z^{60} \\ &+5840450431948192545904420147316352 z^{58} \\ &+4943299827962295284876677324368616 z^{56} \\ &+3659943141856699201722821238623680 z^{54} \\ &+2368782739030726769877060445241437 z^{52} \\ &+1338877200321715031007454591382264 z^{50} \\ &+660009887482535634561107968943615 z^{48} \\ &+283291915175152256801458056468400 z^{46} \\ &+105660227822083821518970999205958 z^{44} \\ &+34160825536463191403762822034368 z^{42} \\ &+9546404020413761328477084427258 z^{40} \\ &+2298208375284796887595877777296 z^{38} \\ &+474769464538703244801707288731 z^{36} \\ &+83782846683301286096458211224 z^{34} \\ &+12564067626124288719199767089 z^{32} \\ &+1591363008824823733822754144 z^{30} + 169045887384297579174971732 z^{28} \\ &+14936733387397048626093632 z^{26} + 1087220235364422585202700 z^{24} \\ &+64448622199318872460960 z^{22} + 3068982009563492526245 z^{20} \\ &+115466649843493352600 z^{18} + 3363106310483325511 z^{16} \\ &+73914423756903824 z^{14} + 1186071757846346 z^{12} + 13299475856128 z^{10} \\ &+98030420950 z^8 + 433801648 z^6 + 989723 z^4 + 952 z^2 + 1 \end{aligned} $	$ \left\{ \left[\frac{119}{2}, \frac{\sqrt{119}}{2} \right] \right\} $
		$ \begin{aligned} &34391 z^{116} + 22835624 z^{114} + 7001992861 z^{112} + 1209046144208 z^{110} \\ &+ 131785722882170 z^{108} + 9762282562198208 z^{106} + 517400970158925958 z^{104} \\ &+ 20376467619539364592 z^{102} + 613796401933595415521 z^{100} \\ &+ 14468058044558575786120 z^{98} + 271805058842169037707235 z^{96} \\ &+ 4131436894381774947602528 z^{94} + 51448748334367811153315988 z^{92} \\ &+ 530454336274893890917662528 z^{90} + 4568751864045306772194822476 z^{88} \\ &+ 33123451014328218289795942816 z^{86} \\ &+ 203472627659444445579547859239 z^{84} \end{aligned} $	

$$\{[119, 2, 115]\}$$

$$x^4 + x^3 + x^2 + 1$$

$$\begin{aligned}
&+1065023393424662217751855274184 z^{82} \\
&+4773202010206878716270946784669 z^{80} \\
&+18394290673480186305759145530352 z^{78} \\
&+61171710844364302539471655874102 z^{76} \\
&+176100379703473054518723692237440 z^{74} \\
&+440006591655023705719949595796330 z^{72} \\
&+956340857372653667441692638176720 z^{70} \\
&+1811422094552908613391431873970409 z^{68} \\
&+2994498934246390355344460589077032 z^{66} \\
&+4325387349467008288351438898225515 z^{64} \\
&+5463647178274115658282318164298816 z^{62} \\
&+6038431802522707751076909830459352 z^{60} \\
&+5840450431948192545904420147316352 z^{58} \\
&+4943299827962295284876677324368616 z^{56} \\
&+3659943141856699201722821238623680 z^{54} \\
&+2368782739030726769877060445241437 z^{52} \\
&+1338877200321715031007454591382264 z^{50} \\
&+660009887482535634561107968943615 z^{48} \\
&+283291915175152256801458056468400 z^{46} \\
&+105660227822083821518970999205958 z^{44} \\
&+34160825536463191403762822034368 z^{42} \\
&+9546404020413761328477084427258 z^{40} \\
&+2298208375284796887595877777296 z^{38} \\
&+474769464538703244801707288731 z^{36} \\
&+83782846683301286096458211224 z^{34} \\
&+12564067626124288719199767089 z^{32} \\
&+1591363008824823733822754144 z^{30} + 169045887384297579174971732 z^{28} \\
&+14936733387397048626093632 z^{26} + 1087220235364422585202700 z^{24} \\
&+64448622199318872460960 z^{22} + 3068982009563492526245 z^{20} \\
&+115466649843493352600 z^{18} + 3363106310483325511 z^{16} \\
&+73914423756903824 z^{14} + 1186071757846346 z^{12} + 13299475856128 z^{10}
\end{aligned}$$

$$\left\{ \left[\frac{119}{2}, \frac{\sqrt{119}}{2} \right] \right\}$$

		$+98030420950 z^8 + 433801648 z^6 + 989723 z^4 + 952 z^2 + 1$	
$\{[120, 2, 116]\}$	$x^4 + 1$	$z^{120} + 1740 z^{118} + 1244970 z^{116} + 474680700 z^{114} + 105663755475 z^{112}$ $+ 14517761155560 z^{110} + 1317887659139700 z^{108} + 83676245181618600 z^{106}$ $+ 3880504839541553325 z^{104} + 135843133052538102900 z^{102}$ $+ 3682778472292477148910 z^{100} + 78916679828327577118500 z^{98}$ $+ 1359025293741319558371375 z^{96} + 19068170288664826730247120 z^{94}$ $+ 220494635711460057913488840 z^{92} + 2121817345044322061955818704 z^{90}$ $+ 17132819490337834552403840445 z^{88}$ $+ 116906297697701610685173642060 z^{86}$ $+ 678242092196991739914642094650 z^{84}$ $+ 3363231768711191360121269360700 z^{82}$ $+ 14319606030622758621903467945655 z^{80}$ $+ 52555116209933089375333657939800 z^{78}$ $+ 166831938666457773737423352669900 z^{76}$ $+ 459392294878640179868325413439000 z^{74}$ $+ 1100016479137513055137215957743625 z^{72}$ $+ 2295218057694400729644297986023380 z^{70}$ $+ 4180204833583682090902165866514350 z^{68}$ $+ 6654442076102976905292984194069700 z^{66}$ $+ 9268687177429367847659656869434835 z^{64}$ $+ 11304097610222382777331205403661920 z^{62}$ $+ 12076863605045263985985299883868656 z^{60}$ $+ 11304097610222382777331205403661920 z^{58}$ $+ 9268687177429367847659656869434835 z^{56}$ $+ 6654442076102976905292984194069700 z^{54}$ $+ 4180204833583682090902165866514350 z^{52}$ $+ 2295218057694400729644297986023380 z^{50}$ $+ 1100016479137513055137215957743625 z^{48}$ $+ 459392294878640179868325413439000 z^{46}$ $+ 166831938666457773737423352669900 z^{44}$ $+ 52555116209933089375333657939800 z^{42}$	$\{[60, \sqrt{30}]\}$

		$+14319606030622758621903467945655 z^{40}$ $+3363231768711191360121269360700 z^{38}$ $+678242092196991739914642094650 z^{36}$ $+116906297697701610685173642060 z^{34}$ $+17132819490337834552403840445 z^{32}$ $+2121817345044322061955818704 z^{30} + 220494635711460057913488840 z^{28}$ $+19068170288664826730247120 z^{26} + 1359025293741319558371375 z^{24}$ $+78916679828327577118500 z^{22} + 3682778472292477148910 z^{20}$ $+135843133052538102900 z^{18} + 3880504839541553325 z^{16}$ $+83676245181618600 z^{14} + 1317887659139700 z^{12} + 14517761155560 z^{10}$ $+105663755475 z^8 + 474680700 z^6 + 1244970 z^4 + 1740 z^2 + 1$	
		$z^{120} + 420 z^{118} + 17920 z^{117} + 513450 z^{116} + 11902464 z^{115} + 228307380 z^{114}$ $+ 3718103040 z^{113} + 52516085715 z^{112} + 653535662080 z^{111}$ $+ 7254265446456 z^{110} + 72542622458880 z^{109} + 658928676026740 z^{108}$ $+ 5474177017021440 z^{107} + 41838353783842680 z^{106}$ $+ 295657697522110464 z^{105} + 1940253635737284525 z^{104}$ $+ 11869786964558315520 z^{103} + 67921558758335029020 z^{102}$ $+ 364631525875074931200 z^{101} + 1841389205620214703726 z^{100}$ $+ 8768520027193752384000 z^{99} + 39458340122446552589100 z^{98}$ $+ 168126840519935934873600 z^{97} + 679512647101639019043375 z^{96}$ $+ 2609328564876895504441344 z^{95} + 9534085140893751778823280 z^{94}$ $+ 33192740860867696673474560 z^{93} + 110247317859324375467580360 z^{92}$ $+ 349750111829644428387502080 z^{91} + 1060908672549865686076825456 z^{90}$ $+ 3080057436434925896896880640 z^{89} + 8566409745084826137325084605 z^{88}$ $+ 22843759320226602062168801280 z^{87}$ $+ 58453148848814573588687003940 z^{86}$ $+ 143627737171372100589872530944 z^{85}$ $+ 339121046099074469338545839290 z^{84}$ $+ 769896428981684206107998830080 z^{83}$ $+ 1681615884354727865205323553780 z^{82}$ $+ 3535705192745835319065179914240 z^{81}$	

$\{[120, 2, 116]\}$

$x^4 + x + 1$

$+7159803015310323848872574869431 z^{80}$
 $+13970347346946977422185811783680 z^{79}$
 $+26277558104971681333804462586760 z^{78}$
 $+47666268190413742583769928104960 z^{77}$
 $+83415969333224075058863780626380 z^{76}$
 $+140880303762778442185520100793344 z^{75}$
 $+229696147439312635566371099795400 z^{74}$
 $+361649253415087978918754390323200 z^{73}$
 $+550008239568779697912706420290825 z^{72}$
 $+808175372427594649819055226470400 z^{71}$
 $+1147609028847184314608661597163836 z^{70}$
 $+1575149647437311827837888849512960 z^{69}$
 $+2090102416791817730864267575510830 z^{68}$
 $+2681640836638558553173244454535680 z^{67}$
 $+3327221038051544737547740414491660 z^{66}$
 $+3992665245661853755813052062531584 z^{65}$
 $+4634343588714651827046309185610195 z^{64}$
 $+5203473503118205462993390621409280 z^{63}$
 $+5652048805111154063048993901269280 z^{62}$
 $+5939441117235450151767337441259520 z^{61}$
 $+6038431802522707789441243542164976 z^{60}$
 $+5939441117235450151767337441259520 z^{59}$
 $+5652048805111154063048993901269280 z^{58}$
 $+5203473503118205462993390621409280 z^{57}$
 $+4634343588714651827046309185610195 z^{56}$
 $+3992665245661853755813052062531584 z^{55}$
 $+3327221038051544737547740414491660 z^{54}$
 $+2681640836638558553173244454535680 z^{53}$
 $+2090102416791817730864267575510830 z^{52}$
 $+1575149647437311827837888849512960 z^{51}$
 $+1147609028847184314608661597163836 z^{50}$

$\{[60, \sqrt{30}]\}$

		$ \begin{aligned} &+808175372427594649819055226470400 z^{49} \\ &+550008239568779697912706420290825 z^{48} \\ &+361649253415087978918754390323200 z^{47} \\ &+229696147439312635566371099795400 z^{46} \\ &+140880303762778442185520100793344 z^{45} \\ &+83415969333224075058863780626380 z^{44} \\ &+47666268190413742583769928104960 z^{43} \\ &+26277558104971681333804462586760 z^{42} \\ &+13970347346946977422185811783680 z^{41} \\ &+7159803015310323848872574869431 z^{40} \\ &+3535705192745835319065179914240 z^{39} \\ &+1681615884354727865205323553780 z^{38} \\ &+769896428981684206107998830080 z^{37} \\ &+339121046099074469338545839290 z^{36} \\ &+143627737171372100589872530944 z^{35} \\ &+58453148848814573588687003940 z^{34} \\ &+22843759320226602062168801280 z^{33} \\ &+8566409745084826137325084605 z^{32} + 3080057436434925896896880640 z^{31} \\ &+1060908672549865686076825456 z^{30} + 349750111829644428387502080 z^{29} \\ &+110247317859324375467580360 z^{28} + 33192740860867696673474560 z^{27} \\ &+9534085140893751778823280 z^{26} + 2609328564876895504441344 z^{25} \\ &+679512647101639019043375 z^{24} + 168126840519935934873600 z^{23} \\ &+39458340122446552589100 z^{22} + 8768520027193752384000 z^{21} \\ &+1841389205620214703726 z^{20} + 364631525875074931200 z^{19} \\ &+67921558758335029020 z^{18} + 11869786964558315520 z^{17} \\ &+1940253635737284525 z^{16} + 295657697522110464 z^{15} \\ &+41838353783842680 z^{14} + 5474177017021440 z^{13} + 658928676026740 z^{12} \\ &+72542622458880 z^{11} + 7254265446456 z^{10} + 653535662080 z^9 \\ &+52516085715 z^8 + 3718103040 z^7 + 228307380 z^6 + 11902464 z^5 + 513450 z^4 \\ &+17920 z^3 + 420 z^2 + 1 \end{aligned} $	
		$ z^{120} + 1140 z^{118} + 16000 z^{117} + 570570 z^{116} + 11856000 z^{115} + 229029060 z^{114} $	

$$\begin{aligned}
&+3718041600 z^{113} + 52504218195 z^{112} + 653546982400 z^{111} \\
&+ 7254198448536 z^{110} + 72542556952320 z^{109} + 658930208996020 z^{108} \\
&+ 5474176622903040 z^{107} + 41838348439283160 z^{106} \\
&+ 295657703183920128 z^{105} + 1940253597581491245 z^{104} \\
&+ 11869786947543982080 z^{103} + 67921559169481393740 z^{102} \\
&+ 364631525794196269440 z^{101} + 1841389204388065508046 z^{100} \\
&+ 8768520028052130403200 z^{99} + 39458340119738931116700 z^{98} \\
&+ 168126840517182958694400 z^{97} + 679512647138560759836975 z^{96} \\
&+ 2609328564875762094962688 z^{95} + 9534085140752726474840880 z^{94} \\
&+ 33192740860913469870968320 z^{93} + 110247317859522915049817160 z^{92} \\
&+ 349750111829442868938370560 z^{91} + 1060908672550424646959938096 z^{90} \\
&+ 3080057436435373323439011840 z^{89} + 8566409745080984543032291005 z^{88} \\
&+ 22843759320226326661929185280 z^{87} \\
&+ 58453148848824722774135626740 z^{86} \\
&+ 143627737171370465342365605504 z^{85} \\
&+ 339121046099062731855152694490 z^{84} \\
&+ 769896428981690500591924068480 z^{83} \\
&+ 1681615884354713165356386853380 z^{82} \\
&+ 3535705192745824938465838858240 z^{81} \\
&+ 7159803015310420909581523003191 z^{80} \\
&+ 13970347346946978991524227404800 z^{79} \\
&+ 26277558104971461599912677617960 z^{78} \\
&+ 47666268190413780581290845446400 z^{77} \\
&+ 83415969333224337436157424816780 z^{76} \\
&+ 140880303762778330522687661041920 z^{75} \\
&+ 229696147439312618376993485149800 z^{74} \\
&+ 361649253415088160029976813696000 z^{73} \\
&+ 550008239568779065453867313817225 z^{72} \\
&+ 808175372427594483258881266176000 z^{71} \\
&+ 1147609028847185771645925199943916 z^{70} \\
&+ 1575149647437311831160913209486720 z^{69}
\end{aligned}$$

+2090102416791815891889056450325390 z^{68}
 +2681640836638558826428206872711040 z^{67}
 +3327221038051545906393298513325820 z^{66}
 +3992665245661853252924925756923904 z^{65}
 +4634343588714652360556761470766035 z^{64}
 +5203473503118205961583646614097920 z^{63}
 +5652048805111151678224471394159520 z^{62}
 +5939441117235449942740389178844160 z^{61}
 +6038431802522710977102204543999216 z^{60}
 +5939441117235449942740389178844160 z^{59}
 +5652048805111151678224471394159520 z^{58}
 +5203473503118205961583646614097920 z^{57}
 +4634343588714652360556761470766035 z^{56}
 +3992665245661853252924925756923904 z^{55}
 +3327221038051545906393298513325820 z^{54}
 +2681640836638558826428206872711040 z^{53}
 +2090102416791815891889056450325390 z^{52}
 +1575149647437311831160913209486720 z^{51}
 +1147609028847185771645925199943916 z^{50}
 +808175372427594483258881266176000 z^{49}
 +550008239568779065453867313817225 z^{48}
 +361649253415088160029976813696000 z^{47}
 +229696147439312618376993485149800 z^{46}
 +140880303762778330522687661041920 z^{45}
 +83415969333224337436157424816780 z^{44}
 +47666268190413780581290845446400 z^{43}
 +26277558104971461599912677617960 z^{42}
 +13970347346946978991524227404800 z^{41}
 +7159803015310420909581523003191 z^{40}
 +3535705192745824938465838858240 z^{39}
 +1681615884354713165356386853380 z^{38}

$\{[60, \sqrt{30}]\}$

		$ \begin{aligned} &+769896428981690500591924068480 z^{37} \\ &+339121046099062731855152694490 z^{36} \\ &+143627737171370465342365605504 z^{35} \\ &+58453148848824722774135626740 z^{34} \\ &+22843759320226326661929185280 z^{33} \\ &+8566409745080984543032291005 z^{32} + 3080057436435373323439011840 z^{31} \\ &+1060908672550424646959938096 z^{30} + 349750111829442868938370560 z^{29} \\ &+110247317859522915049817160 z^{28} + 33192740860913469870968320 z^{27} \\ &+9534085140752726474840880 z^{26} + 2609328564875762094962688 z^{25} \\ &+679512647138560759836975 z^{24} + 168126840517182958694400 z^{23} \\ &+39458340119738931116700 z^{22} + 8768520028052130403200 z^{21} \\ &+1841389204388065508046 z^{20} + 364631525794196269440 z^{19} \\ &+67921559169481393740 z^{18} + 11869786947543982080 z^{17} \\ &+1940253597581491245 z^{16} + 295657703183920128 z^{15} \\ &+41838348439283160 z^{14} + 5474176622903040 z^{13} + 658930208996020 z^{12} \\ &+72542556952320 z^{11} + 7254198448536 z^{10} + 653546982400 z^9 \\ &+52504218195 z^8 + 3718041600 z^7 + 229029060 z^6 + 11856000 z^5 + 570570 z^4 \\ &+16000 z^3 + 1140 z^2 + 1 \end{aligned} $	
		$ \begin{aligned} &z^{120} + 1380 z^{118} + 814890 z^{116} + 7962624 z^{115} + 269574260 z^{114} + 3357573120 z^{113} \\ &+ 55173066195 z^{112} + 636819701760 z^{111} + 7344884821176 z^{110} \\ &+ 72118059171840 z^{109} + 660645059129460 z^{108} + 5468231004487680 z^{107} \\ &+ 41855694907609080 z^{106} + 295616876024397824 z^{105} \\ &+ 1940322438044784045 z^{104} + 11869747681801175040 z^{103} \\ &+ 67921318375395349340 z^{102} + 364632649856719749120 z^{101} \\ &+ 1841386385396923033326 z^{100} + 8768524290391094394880 z^{99} \\ &+ 39458338987972123525740 z^{98} + 168126825721175928668160 z^{97} \\ &+ 679512696137205639515695 z^{96} + 2609328481078506888167424 z^{95} \\ &+ 9534085191872451984274800 z^{94} + 33192741019738070550773760 z^{93} \\ &+ 110247317279719111682249160 z^{92} + 349750112759317073529077760 z^{91} \\ &+ 1060908672096003893099403376 z^{90} + 3080057434759614706250219520 z^{89} \\ &+ 8566409750130802659260019645 z^{88} \end{aligned} $	

$\{[120, 2, 116]\}$

$$x^4 + x^3 + x^2 + x + 1$$

$$\begin{aligned}
&+22843759313736385160152023040 z^{87} \\
&+58453148849498835829665580260 z^{86} \\
&+143627737186095786167953588224 z^{85} \\
&+339121046067990549296779428410 z^{84} \\
&+769896429008348338929165434880 z^{83} \\
&+1681615884372923018311136448180 z^{82} \\
&+3535705192655500069400029265920 z^{81} \\
&+7159803015435618734237752666551 z^{80} \\
&+13970347346905400730474648207360 z^{79} \\
&+26277558104804307994524504654600 z^{78} \\
&+47666268190770417814319717253120 z^{77} \\
&+83415969332937132698733837367500 z^{76} \\
&+140880303762627165736033404289024 z^{75} \\
&+229696147440023462532648499630920 z^{74} \\
&+361649253414240566240709926092800 z^{73} \\
&+550008239568955052064224020150025 z^{72} \\
&+808175372428599313157596647751680 z^{71} \\
&+1147609028845484908615718910532476 z^{70} \\
&+1575149647438312481398767941222400 z^{69} \\
&+2090102416792720145817161257142190 z^{68} \\
&+2681640836636029807089686923837440 z^{67} \\
&+3327221038053779689791518913451340 z^{66} \\
&+3992665245662008457336405611905024 z^{65} \\
&+4634343588711819203165297642150355 z^{64} \\
&+5203473503121607234578631168491520 z^{63} \\
&+5652048805110056587996332211871520 z^{62} \\
&+5939441117233156816144373991997440 z^{61} \\
&+6038431802526593936469811477268976 z^{60} \\
&+5939441117233156816144373991997440 z^{59} \\
&+5652048805110056587996332211871520 z^{58} \\
&+5203473503121607234578631168491520 z^{57}
\end{aligned}$$

$\{[60, \sqrt{30}]\}$

$+4634343588711819203165297642150355 z^{56}$
 $+3992665245662008457336405611905024 z^{55}$
 $+3327221038053779689791518913451340 z^{54}$
 $+2681640836636029807089686923837440 z^{53}$
 $+2090102416792720145817161257142190 z^{52}$
 $+1575149647438312481398767941222400 z^{51}$
 $+1147609028845484908615718910532476 z^{50}$
 $+808175372428599313157596647751680 z^{49}$
 $+550008239568955052064224020150025 z^{48}$
 $+361649253414240566240709926092800 z^{47}$
 $+229696147440023462532648499630920 z^{46}$
 $+140880303762627165736033404289024 z^{45}$
 $+83415969332937132698733837367500 z^{44}$
 $+47666268190770417814319717253120 z^{43}$
 $+26277558104804307994524504654600 z^{42}$
 $+13970347346905400730474648207360 z^{41}$
 $+7159803015435618734237752666551 z^{40}$
 $+3535705192655500069400029265920 z^{39}$
 $+1681615884372923018311136448180 z^{38}$
 $+769896429008348338929165434880 z^{37}$
 $+339121046067990549296779428410 z^{36}$
 $+143627737186095786167953588224 z^{35}$
 $+58453148849498835829665580260 z^{34}$
 $+22843759313736385160152023040 z^{33}$
 $+8566409750130802659260019645 z^{32} + 3080057434759614706250219520 z^{31}$
 $+1060908672096003893099403376 z^{30} + 349750112759317073529077760 z^{29}$
 $+110247317279719111682249160 z^{28} + 33192741019738070550773760 z^{27}$
 $+9534085191872451984274800 z^{26} + 2609328481078506888167424 z^{25}$
 $+679512696137205639515695 z^{24} + 168126825721175928668160 z^{23}$
 $+39458338987972123525740 z^{22} + 8768524290391094394880 z^{21}$
 $+1841386385396923033326 z^{20} + 364632649856719749120 z^{19}$

		$+67921318375395349340 z^{18} + 11869747681801175040 z^{17}$ $+1940322438044784045 z^{16} + 295616876024397824 z^{15}$ $+41855694907609080 z^{14} + 5468231004487680 z^{13} + 660645059129460 z^{12}$ $+72118059171840 z^{11} + 7344884821176 z^{10} + 636819701760 z^9$ $+55173066195 z^8 + 3357573120 z^7 + 269574260 z^6 + 7962624 z^5 + 814890 z^4$ $+1380 z^2 + 1$	
$\{[120, 2, 116]\}$	$x^4 + x^3 + x + 1$	$z^{120} + 1140 z^{118} + 1050570 z^{116} + 456869060 z^{114} + 105028122195 z^{112}$ $+14508494512536 z^{110} + 1317858064599220 z^{108} + 83676704606655960 z^{106}$ $+3880507261852047405 z^{104} + 135843117648433616460 z^{102}$ $+3682778410910586788814 z^{100} + 78916680243102727494300 z^{98}$ $+1359025294220740051433775 z^{96} + 19068170281722043374926640 z^{94}$ $+220494635718755079189393480 z^{92} + 2121817345099884152685386288 z^{90}$ $+17132819490168279646075762365 z^{88}$ $+116906297697632876608361413620 z^{86}$ $+678242092198144804392387555290 z^{84}$ $+3363231768709449112143312114180 z^{82}$ $+14319606030620687034065842793271 z^{80}$ $+52555116209943275624297480126760 z^{78}$ $+166831938666448250523723035223180 z^{76}$ $+459392294878625276378461592413800 z^{74}$ $+1100016479137559117776546016025225 z^{72}$ $+2295218057694369256122582907586796 z^{70}$ $+4180204833583634657772586173467790 z^{68}$ $+6654442076103090037713757838356220 z^{66}$ $+9268687177429303747768203888245715 z^{64}$ $+11304097610222307309405596893694880 z^{62}$ $+12076863605045416710362486552167664 z^{60}$ $+11304097610222307309405596893694880 z^{58}$ $+9268687177429303747768203888245715 z^{56}$ $+6654442076103090037713757838356220 z^{54}$ $+4180204833583634657772586173467790 z^{52}$	$\{[60, \sqrt{30}]\}$

		$+2295218057694369256122582907586796 z^{50}$ $+1100016479137559117776546016025225 z^{48}$ $+459392294878625276378461592413800 z^{46}$ $+166831938666448250523723035223180 z^{44}$ $+52555116209943275624297480126760 z^{42}$ $+14319606030620687034065842793271 z^{40}$ $+3363231768709449112143312114180 z^{38}$ $+678242092198144804392387555290 z^{36}$ $+116906297697632876608361413620 z^{34}$ $+17132819490168279646075762365 z^{32}$ $+2121817345099884152685386288 z^{30} + 220494635718755079189393480 z^{28}$ $+19068170281722043374926640 z^{26} + 1359025294220740051433775 z^{24}$ $+78916680243102727494300 z^{22} + 3682778410910586788814 z^{20}$ $+135843117648433616460 z^{18} + 3880507261852047405 z^{16}$ $+83676704606655960 z^{14} + 1317858064599220 z^{12} + 14508494512536 z^{10}$ $+105028122195 z^8 + 456869060 z^6 + 1050570 z^4 + 1140 z^2 + 1$	
		$z^{120} + 420 z^{118} + 17920 z^{117} + 513450 z^{116} + 11902464 z^{115} + 228307380 z^{114}$ $+ 3718103040 z^{113} + 52516085715 z^{112} + 653535662080 z^{111}$ $+ 7254265446456 z^{110} + 72542622458880 z^{109} + 658928676026740 z^{108}$ $+ 5474177017021440 z^{107} + 41838353783842680 z^{106}$ $+ 295657697522110464 z^{105} + 1940253635737284525 z^{104}$ $+ 11869786964558315520 z^{103} + 67921558758335029020 z^{102}$ $+ 364631525875074931200 z^{101} + 1841389205620214703726 z^{100}$ $+ 8768520027193752384000 z^{99} + 39458340122446552589100 z^{98}$ $+ 168126840519935934873600 z^{97} + 679512647101639019043375 z^{96}$ $+ 2609328564876895504441344 z^{95} + 9534085140893751778823280 z^{94}$ $+ 33192740860867696673474560 z^{93} + 110247317859324375467580360 z^{92}$ $+ 349750111829644428387502080 z^{91} + 1060908672549865686076825456 z^{90}$ $+ 3080057436434925896896880640 z^{89} + 8566409745084826137325084605 z^{88}$ $+ 22843759320226602062168801280 z^{87}$ $+ 58453148848814573588687003940 z^{86}$	

$$\{[120, 2, 116]\}$$

$$x^4 + x^3 + 1$$

$$\begin{aligned}
&+143627737171372100589872530944 z^{85} \\
&+339121046099074469338545839290 z^{84} \\
&+769896428981684206107998830080 z^{83} \\
&+1681615884354727865205323553780 z^{82} \\
&+3535705192745835319065179914240 z^{81} \\
&+7159803015310323848872574869431 z^{80} \\
&+13970347346946977422185811783680 z^{79} \\
&+26277558104971681333804462586760 z^{78} \\
&+47666268190413742583769928104960 z^{77} \\
&+83415969333224075058863780626380 z^{76} \\
&+140880303762778442185520100793344 z^{75} \\
&+229696147439312635566371099795400 z^{74} \\
&+361649253415087978918754390323200 z^{73} \\
&+550008239568779697912706420290825 z^{72} \\
&+808175372427594649819055226470400 z^{71} \\
&+1147609028847184314608661597163836 z^{70} \\
&+1575149647437311827837888849512960 z^{69} \\
&+2090102416791817730864267575510830 z^{68} \\
&+2681640836638558553173244454535680 z^{67} \\
&+3327221038051544737547740414491660 z^{66} \\
&+3992665245661853755813052062531584 z^{65} \\
&+4634343588714651827046309185610195 z^{64} \\
&+5203473503118205462993390621409280 z^{63} \\
&+5652048805111154063048993901269280 z^{62} \\
&+5939441117235450151767337441259520 z^{61} \\
&+6038431802522707789441243542164976 z^{60} \\
&+5939441117235450151767337441259520 z^{59} \\
&+5652048805111154063048993901269280 z^{58} \\
&+5203473503118205462993390621409280 z^{57} \\
&+4634343588714651827046309185610195 z^{56} \\
&+3992665245661853755813052062531584 z^{55}
\end{aligned}$$

$$\{[60, \sqrt{30}]\}$$

$+3327221038051544737547740414491660 z^{54}$
 $+2681640836638558553173244454535680 z^{53}$
 $+2090102416791817730864267575510830 z^{52}$
 $+1575149647437311827837888849512960 z^{51}$
 $+1147609028847184314608661597163836 z^{50}$
 $+808175372427594649819055226470400 z^{49}$
 $+550008239568779697912706420290825 z^{48}$
 $+361649253415087978918754390323200 z^{47}$
 $+229696147439312635566371099795400 z^{46}$
 $+140880303762778442185520100793344 z^{45}$
 $+83415969333224075058863780626380 z^{44}$
 $+47666268190413742583769928104960 z^{43}$
 $+26277558104971681333804462586760 z^{42}$
 $+13970347346946977422185811783680 z^{41}$
 $+7159803015310323848872574869431 z^{40}$
 $+3535705192745835319065179914240 z^{39}$
 $+1681615884354727865205323553780 z^{38}$
 $+769896428981684206107998830080 z^{37}$
 $+339121046099074469338545839290 z^{36}$
 $+143627737171372100589872530944 z^{35}$
 $+58453148848814573588687003940 z^{34}$
 $+22843759320226602062168801280 z^{33}$
 $+8566409745084826137325084605 z^{32} + 3080057436434925896896880640 z^{31}$
 $+1060908672549865686076825456 z^{30} + 349750111829644428387502080 z^{29}$
 $+110247317859324375467580360 z^{28} + 33192740860867696673474560 z^{27}$
 $+9534085140893751778823280 z^{26} + 2609328564876895504441344 z^{25}$
 $+679512647101639019043375 z^{24} + 168126840519935934873600 z^{23}$
 $+39458340122446552589100 z^{22} + 8768520027193752384000 z^{21}$
 $+1841389205620214703726 z^{20} + 364631525875074931200 z^{19}$
 $+67921558758335029020 z^{18} + 11869786964558315520 z^{17}$
 $+1940253635737284525 z^{16} + 295657697522110464 z^{15}$

	$ \begin{aligned} &+41838353783842680 z^{14} + 5474177017021440 z^{13} + 658928676026740 z^{12} \\ &+ 72542622458880 z^{11} + 7254265446456 z^{10} + 653535662080 z^9 \\ &+ 52516085715 z^8 + 3718103040 z^7 + 228307380 z^6 + 11902464 z^5 + 513450 z^4 \\ &+ 17920 z^3 + 420 z^2 + 1 \end{aligned} $
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