

{[n,q,k]}	Generator Polynomial	Weight Numerator	{Avg Wt,Std}
{[5, 2, 0]}	0	$\frac{1}{32} z^5 + \frac{5}{32} z^4 + \frac{5}{16} z^3 + \frac{5}{16} z^2 + \frac{5}{32} z + \frac{1}{32}$	$\left\{ \left[ \frac{5}{2}, \frac{\sqrt{5}}{2} \right] \right\}$
{[6, 2, 1]}	$x^5 + x^4 + x^3 + x^2 + x + 1$	$z^6 + 1$	{[3, 3]}
{[8, 2, 3]}	$x^5 + x^4 + x + 1$	$z^8 + 6 z^4 + 1$	{[4, 2]}
{[10, 2, 5]}	$x^5 + 1$	$z^{10} + 5 z^8 + 10 z^6 + 10 z^4 + 5 z^2 + 1$	$\{[5, \sqrt{5}]\}$
{[12, 2, 7]}	$x^5 + x^3 + x^2 + 1$	$z^{12} + 39 z^8 + 48 z^6 + 39 z^4 + 1$	$\{[6, \sqrt{3}]\}$
{[12, 2, 7]}	$x^5 + x^4 + x^3 + x^2 + x + 1$	$z^{12} + 6 z^{10} + 15 z^8 + 84 z^6 + 15 z^4 + 6 z^2 + 1$	$\{[6, \sqrt{3}]\}$
{[14, 2, 9]}	$x^5 + x^2 + x + 1$	$7 z^{12} + 56 z^{10} + 203 z^8 + 168 z^6 + 77 z^4 + 1$	$\left\{ \left[ 7, \frac{\sqrt{14}}{2} \right] \right\}$
{[14, 2, 9]}	$x^5 + x^4 + x^3 + 1$	$7 z^{12} + 56 z^{10} + 203 z^8 + 168 z^6 + 77 z^4 + 1$	$\left\{ \left[ 7, \frac{\sqrt{14}}{2} \right] \right\}$
{[15, 2, 10]}	$x^5 + 1$	$243 z^{10} + 405 z^8 + 270 z^6 + 90 z^4 + 15 z^2 + 1$	$\left\{ \left[ \frac{15}{2}, \frac{\sqrt{15}}{2} \right] \right\}$
{[15, 2, 10]}	$x^5 + x^3 + x + 1$	$35 z^{12} + 168 z^{10} + 435 z^8 + 280 z^6 + 105 z^4 + 1$	$\left\{ \left[ \frac{15}{2}, \frac{\sqrt{15}}{2} \right] \right\}$
{[15, 2, 10]}	$x^5 + x^4 + x^2 + 1$	$35 z^{12} + 168 z^{10} + 435 z^8 + 280 z^6 + 105 z^4 + 1$	$\left\{ \left[ \frac{15}{2}, \frac{\sqrt{15}}{2} \right] \right\}$
{[16, 2, 11]}	$x^5 + x^4 + x + 1$	$z^{16} + 8 z^{14} + 124 z^{12} + 440 z^{10} + 902 z^8 + 440 z^6 + 124 z^4 + 8 z^2 + 1$	{[8, 2]}
{[18, 2, 13]}	$x^5 + x^4 + x^3 + x^2 + x + 1$	$z^{18} + 18 z^{16} + 135 z^{14} + 1269 z^{12} + 2673 z^{10} + 2673 z^8 + 1269 z^6 + 135 z^4 + 18 z^2 + 1$	$\left\{ \left[ 9, \frac{3\sqrt{2}}{2} \right] \right\}$
{[20, 2, 15]}	$x^5 + 1$	$z^{20} + 30 z^{18} + 365 z^{16} + 2280 z^{14} + 7570 z^{12} + 12276 z^{10} + 7570 z^8 + 2280 z^6 + 365 z^4 + 30 z^2 + 1$	$\{[10, \sqrt{5}]\}$
{[21, 2, 16]}	$x^5 + x + 1$	$z^{21} + 42 z^{18} + 210 z^{17} + 651 z^{16} + 1638 z^{15} + 3570 z^{14} + 6468 z^{13} + 9310 z^{12} + 10878 z^{11} + 10878 z^{10} + 9310 z^9 + 6468 z^8 + 3570 z^7 + 1638 z^6 + 651 z^5$	

		$+210 z^4 + 42 z^3 + 1$	$\left\{ \left[ \frac{21}{2}, \frac{\sqrt{21}}{2} \right] \right\}$
$\{[21, 2, 16]\}$	$x^5 + x^4 + 1$	$z^{21} + 42 z^{18} + 210 z^{17} + 651 z^{16} + 1638 z^{15} + 3570 z^{14} + 6468 z^{13} + 9310 z^{12} + 10878 z^{11} + 10878 z^{10} + 9310 z^9 + 6468 z^8 + 3570 z^7 + 1638 z^6 + 651 z^5 + 210 z^4 + 42 z^3 + 1$	$\left\{ \left[ \frac{21}{2}, \frac{\sqrt{21}}{2} \right] \right\}$
$\{[24, 2, 19]\}$	$x^5 + x^3 + x^2 + 1$	$z^{24} + 12 z^{22} + 690 z^{20} + 8284 z^{18} + 46383 z^{16} + 121752 z^{14} + 170044 z^{12} + 121752 z^{10} + 46383 z^8 + 8284 z^6 + 690 z^4 + 12 z^2 + 1$	$\{[12, \sqrt{6}]\}$
$\{[24, 2, 19]\}$	$x^5 + x^4 + x^3 + x^2 + x + 1$	$z^{24} + 36 z^{22} + 546 z^{20} + 8596 z^{18} + 46191 z^{16} + 121416 z^{14} + 170716 z^{12} + 121416 z^{10} + 46191 z^8 + 8596 z^6 + 546 z^4 + 36 z^2 + 1$	$\{[12, \sqrt{6}]\}$
$\{[24, 2, 19]\}$	$x^5 + x^4 + x + 1$	$z^{24} + 24 z^{22} + 738 z^{20} + 7992 z^{18} + 46575 z^{16} + 122544 z^{14} + 168540 z^{12} + 122544 z^{10} + 46575 z^8 + 7992 z^6 + 738 z^4 + 24 z^2 + 1$	$\{[12, \sqrt{6}]\}$
$\{[25, 2, 20]\}$	$x^5 + 1$	$3125 z^{20} + 31250 z^{18} + 128125 z^{16} + 275000 z^{14} + 326250 z^{12} + 207500 z^{10} + 65250 z^8 + 11000 z^6 + 1025 z^4 + 50 z^2 + 1$	$\left\{ \left[ \frac{25}{2}, \frac{5}{2} \right] \right\}$
$\{[28, 2, 23]\}$	$x^5 + x^2 + x + 1$	$z^{28} + 14 z^{26} + 1323 z^{24} + 23436 z^{22} + 194425 z^{20} + 820050 z^{18} + 1901403 z^{16} + 2507304 z^{14} + 1901403 z^{12} + 820050 z^{10} + 194425 z^8 + 23436 z^6 + 1323 z^4 + 14 z^2 + 1$	$\{[14, \sqrt{7}]\}$
$\{[28, 2, 23]\}$	$x^5 + x^4 + x^3 + 1$	$z^{28} + 14 z^{26} + 1323 z^{24} + 23436 z^{22} + 194425 z^{20} + 820050 z^{18} + 1901403 z^{16} + 2507304 z^{14} + 1901403 z^{12} + 820050 z^{10} + 194425 z^8 + 23436 z^6 + 1323 z^4 + 14 z^2 + 1$	$\{[14, \sqrt{7}]\}$
$\{[30, 2, 25]\}$	$x^5 + 1$	$z^{30} + 75 z^{28} + 2325 z^{26} + 38255 z^{24} + 356925 z^{22} + 1880175 z^{20} + 5430385 z^{18} + 9069075 z^{16} + 9069075 z^{14} + 5430385 z^{12} + 1880175 z^{10} + 356925 z^8 + 38255 z^6 + 2325 z^4 + 75 z^2 + 1$	$\left\{ \left[ 15, \frac{\sqrt{30}}{2} \right] \right\}$
$\{[30, 2, 25]\}$	$x^5 + x^3 + x + 1$	$z^{30} + 15 z^{28} + 1785 z^{26} + 36855 z^{24} + 366405 z^{22} + 1876875 z^{20} + 5406765 z^{18} + 9088515 z^{16} + 9088515 z^{14} + 5406765 z^{12} + 1876875 z^{10} + 366405 z^8 + 36855 z^6 + 1785 z^4 + 15 z^2 + 1$	$\left\{ \left[ 15, \frac{\sqrt{30}}{2} \right] \right\}$
$\{[30, 2, 25]\}$	$x^5 + x^4 + x^3 + x^2 + x + 1$	$z^{30} + 60 z^{28} + 1530 z^{26} + 37125 z^{24} + 367875 z^{22} + 1871250 z^{20} + 5415000 z^{18} + 9084375 z^{16} + 9084375 z^{14} + 5415000 z^{12} + 1871250 z^{10} + 367875 z^8 + 37125 z^6 + 1530 z^4 + 60 z^2 + 1$	$\left\{ \left[ 15, \frac{\sqrt{30}}{2} \right] \right\}$

$\{[30, 2, 25]\}$	$x^5 + x^4 + x^2 + 1$	$z^{30} + 15z^{28} + 1785z^{26} + 36855z^{24} + 366405z^{22} + 1876875z^{20} + 5406765z^{18}$ $+ 9088515z^{16} + 9088515z^{14} + 5406765z^{12} + 1876875z^{10} + 366405z^8$ $+ 36855z^6 + 1785z^4 + 15z^2 + 1$	$\left\{ \left[ 15, \frac{\sqrt{30}}{2} \right] \right\}$
$\{[31, 2, 26]\}$	$x^5 + x^2 + 1$	$z^{31} + 155z^{28} + 1085z^{27} + 5208z^{26} + 22568z^{25} + 82615z^{24} + 247845z^{23}$ $+ 628680z^{22} + 1383096z^{21} + 2648919z^{20} + 4414865z^{19} + 6440560z^{18}$ $+ 8280720z^{17} + 9398115z^{16} + 9398115z^{15} + 8280720z^{14} + 6440560z^{13}$ $+ 4414865z^{12} + 2648919z^{11} + 1383096z^{10} + 628680z^9 + 247845z^8$ $+ 82615z^7 + 22568z^6 + 5208z^5 + 1085z^4 + 155z^3 + 1$	$\left\{ \left[ \frac{31}{2}, \frac{\sqrt{31}}{2} \right] \right\}$
$\{[31, 2, 26]\}$	$x^5 + x^3 + 1$	$z^{31} + 155z^{28} + 1085z^{27} + 5208z^{26} + 22568z^{25} + 82615z^{24} + 247845z^{23}$ $+ 628680z^{22} + 1383096z^{21} + 2648919z^{20} + 4414865z^{19} + 6440560z^{18}$ $+ 8280720z^{17} + 9398115z^{16} + 9398115z^{15} + 8280720z^{14} + 6440560z^{13}$ $+ 4414865z^{12} + 2648919z^{11} + 1383096z^{10} + 628680z^9 + 247845z^8$ $+ 82615z^7 + 22568z^6 + 5208z^5 + 1085z^4 + 155z^3 + 1$	$\left\{ \left[ \frac{31}{2}, \frac{\sqrt{31}}{2} \right] \right\}$
$\{[31, 2, 26]\}$	$x^5 + x^3 + x^2 + x + 1$	$z^{31} + 155z^{28} + 1085z^{27} + 5208z^{26} + 22568z^{25} + 82615z^{24} + 247845z^{23}$ $+ 628680z^{22} + 1383096z^{21} + 2648919z^{20} + 4414865z^{19} + 6440560z^{18}$ $+ 8280720z^{17} + 9398115z^{16} + 9398115z^{15} + 8280720z^{14} + 6440560z^{13}$ $+ 4414865z^{12} + 2648919z^{11} + 1383096z^{10} + 628680z^9 + 247845z^8$ $+ 82615z^7 + 22568z^6 + 5208z^5 + 1085z^4 + 155z^3 + 1$	$\left\{ \left[ \frac{31}{2}, \frac{\sqrt{31}}{2} \right] \right\}$
$\{[31, 2, 26]\}$	$x^5 + x^4 + x^3 + x^2 + 1$	$z^{31} + 155z^{28} + 1085z^{27} + 5208z^{26} + 22568z^{25} + 82615z^{24} + 247845z^{23}$ $+ 628680z^{22} + 1383096z^{21} + 2648919z^{20} + 4414865z^{19} + 6440560z^{18}$ $+ 8280720z^{17} + 9398115z^{16} + 9398115z^{15} + 8280720z^{14} + 6440560z^{13}$ $+ 4414865z^{12} + 2648919z^{11} + 1383096z^{10} + 628680z^9 + 247845z^8$ $+ 82615z^7 + 22568z^6 + 5208z^5 + 1085z^4 + 155z^3 + 1$	$\left\{ \left[ \frac{31}{2}, \frac{\sqrt{31}}{2} \right] \right\}$
$\{[31, 2, 26]\}$	$x^5 + x^4 + x^3 + x + 1$	$z^{31} + 155z^{28} + 1085z^{27} + 5208z^{26} + 22568z^{25} + 82615z^{24} + 247845z^{23}$ $+ 628680z^{22} + 1383096z^{21} + 2648919z^{20} + 4414865z^{19} + 6440560z^{18}$ $+ 8280720z^{17} + 9398115z^{16} + 9398115z^{15} + 8280720z^{14} + 6440560z^{13}$ $+ 4414865z^{12} + 2648919z^{11} + 1383096z^{10} + 628680z^9 + 247845z^8$ $+ 82615z^7 + 22568z^6 + 5208z^5 + 1085z^4 + 155z^3 + 1$	$\left\{ \left[ \frac{31}{2}, \frac{\sqrt{31}}{2} \right] \right\}$
		$z^{31} + 155z^{28} + 1085z^{27} + 5208z^{26} + 22568z^{25} + 82615z^{24} + 247845z^{23}$ $+ 628680z^{22} + 1383096z^{21} + 2648919z^{20} + 4414865z^{19} + 6440560z^{18}$	

$\{[31, 2, 26]\}$	$x^5 + x^4 + x^2 + x + 1$	$+8280720 z^{17} + 9398115 z^{16} + 9398115 z^{15} + 8280720 z^{14} + 6440560 z^{13}$ $+4414865 z^{12} + 2648919 z^{11} + 1383096 z^{10} + 628680 z^9 + 247845 z^8$ $+82615 z^7 + 22568 z^6 + 5208 z^5 + 1085 z^4 + 155 z^3 + 1$	$\left\{ \left[ \frac{31}{2}, \frac{\sqrt{31}}{2} \right] \right\}$
$\{[32, 2, 27]\}$	$x^5 + x^4 + x + 1$	$z^{32} + 48 z^{30} + 2552 z^{28} + 55440 z^{26} + 656924 z^{24} + 4037936 z^{22} + 14110152 z^{20}$ $+29444624 z^{18} + 37602374 z^{16} + 29444624 z^{14} + 14110152 z^{12} + 4037936 z^{10}$ $+656924 z^8 + 55440 z^6 + 2552 z^4 + 48 z^2 + 1$	$\{[16, 2\sqrt{2}]\}$
$\{[35, 2, 30]\}$	$x^5 + 1$	$16807 z^{30} + 420175 z^{28} + 4453855 z^{26} + 26062855 z^{24} + 92090355 z^{22}$ $+203208635 z^{20} + 283717595 z^{18} + 253464995 z^{16} + 145032405 z^{14}$ $+52275405 z^{12} + 11436061 z^{10} + 1450645 z^8 + 107345 z^6 + 4585 z^4 + 105 z^2 + 1$	$\left\{ \left[ \frac{35}{2}, \frac{\sqrt{35}}{2} \right] \right\}$
$\{[36, 2, 31]\}$	$x^5 + x^3 + x^2 + 1$	$z^{36} + 36 z^{34} + 3753 z^{32} + 120960 z^{30} + 1895076 z^{28} + 15876144 z^{26} + 78247956 z^{24}$ $+237248640 z^{22} + 456756894 z^{20} + 567184728 z^{18} + 456756894 z^{16}$ $+237248640 z^{14} + 78247956 z^{12} + 15876144 z^{10} + 1895076 z^8 + 120960 z^6$ $+3753 z^4 + 36 z^2 + 1$	$\{[18, 3]\}$
$\{[36, 2, 31]\}$	$x^5 + x^4 + x^3 + x^2 + x + 1$	$z^{36} + 90 z^{34} + 3465 z^{32} + 120912 z^{30} + 1898820 z^{28} + 15866136 z^{26} + 78250740 z^{24}$ $+237288240 z^{22} + 456652350 z^{20} + 567322140 z^{18} + 456652350 z^{16}$ $+237288240 z^{14} + 78250740 z^{12} + 15866136 z^{10} + 1898820 z^8 + 120912 z^6$ $+3465 z^4 + 90 z^2 + 1$	$\{[18, 3]\}$
$\{[40, 2, 35]\}$	$x^5 + 1$	$z^{40} + 140 z^{38} + 8190 z^{36} + 258860 z^{34} + 4784365 z^{32} + 52757488 z^{30}$ $+349426280 z^{28} + 1451310000 z^{26} + 3926830610 z^{24} + 7085345960 z^{22}$ $+8618294580 z^{20} + 7085345960 z^{18} + 3926830610 z^{16} + 1451310000 z^{14}$ $+349426280 z^{12} + 52757488 z^{10} + 4784365 z^8 + 258860 z^6 + 8190 z^4 + 140 z^2 + 1$	$\{[20, \sqrt{10}]\}$
$\{[40, 2, 35]\}$	$x^5 + x^4 + x + 1$	$z^{40} + 80 z^{38} + 6590 z^{36} + 238800 z^{34} + 4793325 z^{32} + 53000000 z^{30} + 349271400 z^{28}$ $+1450113600 z^{26} + 3928541970 z^{24} + 7086451040 z^{22} + 8614904756 z^{20}$ $+7086451040 z^{18} + 3928541970 z^{16} + 1450113600 z^{14} + 349271400 z^{12}$ $+53000000 z^{10} + 4793325 z^8 + 238800 z^6 + 6590 z^4 + 80 z^2 + 1$	$\{[20, \sqrt{10}]\}$
		$z^{42} + 21 z^{40} + 336 z^{39} + 3570 z^{38} + 26880 z^{37} + 163282 z^{36} + 841680 z^{35}$ $+3691233 z^{34} + 13938176 z^{33} + 45977085 z^{32} + 133756224 z^{31}$ $+345566200 z^{30} + 797497344 z^{29} + 1651908408 z^{28} + 3083404352 z^{27}$	

$\{[42, 2, 37]\}$	$x^5 + x + 1$	$+5203362402 z^{26} + 7958426112 z^{25} + 11053116074 z^{24} + 13961342304 z^{23}$ $+16055950092 z^{22} + 16821009920 z^{21} + 16055950092 z^{20} + 13961342304 z^{19}$ $+11053116074 z^{18} + 7958426112 z^{17} + 5203362402 z^{16} + 3083404352 z^{15}$ $+1651908408 z^{14} + 797497344 z^{13} + 345566200 z^{12} + 133756224 z^{11}$ $+45977085 z^{10} + 13938176 z^9 + 3691233 z^8 + 841680 z^7 + 163282 z^6$ $+26880 z^5 + 3570 z^4 + 336 z^3 + 21 z^2 + 1$	$\left\{ \left[ 21, \frac{\sqrt{42}}{2} \right] \right\}$
$\{[42, 2, 37]\}$	$x^5 + x^2 + x + 1$	$63 z^{40} + 6846 z^{38} + 329056 z^{36} + 7370874 z^{34} + 91986405 z^{32} + 691076792 z^{30}$ $+3303875472 z^{28} + 10406684232 z^{26} + 22106282198 z^{24} + 32111772420 z^{22}$ $+32112125136 z^{20} + 22105988268 z^{18} + 10406887722 z^{16} + 3303759192 z^{14}$ $+691131056 z^{12} + 91966056 z^{10} + 7376859 z^8 + 327726 z^6 + 7056 z^4 + 42 z^2 + 1$	$\left\{ \left[ 21, \frac{\sqrt{42}}{2} \right] \right\}$
$\{[42, 2, 37]\}$	$x^5 + x^4 + x^3 + x^2 + x + 1$	$z^{42} + 126 z^{40} + 6825 z^{38} + 324961 z^{36} + 7395570 z^{34} + 91924833 z^{32}$ $+691122068 z^{30} + 3304016100 z^{28} + 10406233782 z^{26} + 22106830200 z^{24}$ $+32111622270 z^{22} + 32111622270 z^{20} + 22106830200 z^{18} + 10406233782 z^{16}$ $+3304016100 z^{14} + 691122068 z^{12} + 91924833 z^{10} + 7395570 z^8 + 324961 z^6$ $+6825 z^4 + 126 z^2 + 1$	$\left\{ \left[ 21, \frac{\sqrt{42}}{2} \right] \right\}$
$\{[42, 2, 37]\}$	$x^5 + x^4 + x^3 + 1$	$63 z^{40} + 6846 z^{38} + 329056 z^{36} + 7370874 z^{34} + 91986405 z^{32} + 691076792 z^{30}$ $+3303875472 z^{28} + 10406684232 z^{26} + 22106282198 z^{24} + 32111772420 z^{22}$ $+32112125136 z^{20} + 22105988268 z^{18} + 10406887722 z^{16} + 3303759192 z^{14}$ $+691131056 z^{12} + 91966056 z^{10} + 7376859 z^8 + 327726 z^6 + 7056 z^4 + 42 z^2 + 1$	$\left\{ \left[ 21, \frac{\sqrt{42}}{2} \right] \right\}$
$\{[42, 2, 37]\}$	$x^5 + x^4 + 1$	$z^{42} + 21 z^{40} + 336 z^{39} + 3570 z^{38} + 26880 z^{37} + 163282 z^{36} + 841680 z^{35}$ $+3691233 z^{34} + 13938176 z^{33} + 45977085 z^{32} + 133756224 z^{31}$ $+345566200 z^{30} + 797497344 z^{29} + 1651908408 z^{28} + 3083404352 z^{27}$ $+5203362402 z^{26} + 7958426112 z^{25} + 11053116074 z^{24} + 13961342304 z^{23}$ $+16055950092 z^{22} + 16821009920 z^{21} + 16055950092 z^{20} + 13961342304 z^{19}$ $+11053116074 z^{18} + 7958426112 z^{17} + 5203362402 z^{16} + 3083404352 z^{15}$ $+1651908408 z^{14} + 797497344 z^{13} + 345566200 z^{12} + 133756224 z^{11}$ $+45977085 z^{10} + 13938176 z^9 + 3691233 z^8 + 841680 z^7 + 163282 z^6$ $+26880 z^5 + 3570 z^4 + 336 z^3 + 21 z^2 + 1$	$\left\{ \left[ 21, \frac{\sqrt{42}}{2} \right] \right\}$
		$59049 z^{40} + 2755620 z^{38} + 55571670 z^{36} + 635585940 z^{34} + 4560685965 z^{32}$ $+21549873744 z^{30} + 68952814920 z^{28} + 152400327120 z^{26}$	

$\{[45, 2, 40]\}$	$x^5 + 1$	$+235831795650 z^{24} + 257304583800 z^{22} + 198132288516 z^{20}$ $+107228617560 z^{18} + 40412485170 z^{16} + 10434318480 z^{14} + 1797107400 z^{12}$ $+198669456 z^{10} + 13516245 z^8 + 557700 z^6 + 13590 z^4 + 180 z^2 + 1$	$\left\{ \left[ \frac{45}{2}, \frac{3\sqrt{5}}{2} \right] \right\}$
$\{[45, 2, 40]\}$	$x^5 + x^3 + x + 1$	$945 z^{42} + 75789 z^{40} + 2839770 z^{38} + 55369610 z^{36} + 634463865 z^{34}$ $+4562754525 z^{32} + 21554490264 z^{30} + 68941324440 z^{28} + 152398271970 z^{26}$ $+235852767930 z^{24} + 257295371580 z^{22} + 198116430876 z^{20}$ $+107243077690 z^{18} + 40414015170 z^{16} + 10429502040 z^{14} + 1797495000 z^{12}$ $+199384461 z^{10} + 13473945 z^8 + 508410 z^6 + 9450 z^4 + 45 z^2 + 1$	$\left\{ \left[ \frac{45}{2}, \frac{3\sqrt{5}}{2} \right] \right\}$
$\{[45, 2, 40]\}$	$x^5 + x^4 + x^2 + 1$	$945 z^{42} + 75789 z^{40} + 2839770 z^{38} + 55369610 z^{36} + 634463865 z^{34}$ $+4562754525 z^{32} + 21554490264 z^{30} + 68941324440 z^{28} + 152398271970 z^{26}$ $+235852767930 z^{24} + 257295371580 z^{22} + 198116430876 z^{20}$ $+107243077690 z^{18} + 40414015170 z^{16} + 10429502040 z^{14} + 1797495000 z^{12}$ $+199384461 z^{10} + 13473945 z^8 + 508410 z^6 + 9450 z^4 + 45 z^2 + 1$	$\left\{ \left[ \frac{45}{2}, \frac{3\sqrt{5}}{2} \right] \right\}$
$\{[48, 2, 43]\}$	$x^5 + x^3 + x^2 + 1$	$z^{48} + 72 z^{46} + 12372 z^{44} + 764088 z^{42} + 23599362 z^{40} + 408754968 z^{38}$ $+4354333700 z^{36} + 30145022952 z^{34} + 140928119535 z^{32}$ $+456864243280 z^{30} + 1045981769640 z^{28} + 1711600275888 z^{26}$ $+2015479230492 z^{24} + 1711600275888 z^{22} + 1045981769640 z^{20}$ $+456864243280 z^{18} + 140928119535 z^{16} + 30145022952 z^{14}$ $+4354333700 z^{12} + 408754968 z^{10} + 23599362 z^8 + 764088 z^6 + 12372 z^4$ $+72 z^2 + 1$	$\{[24, 2\sqrt{3}]\}$
$\{[48, 2, 43]\}$	$x^5 + x^4 + x^3 + x^2 + x + 1$	$z^{48} + 168 z^{46} + 12180 z^{44} + 760152 z^{42} + 23619714 z^{40} + 408755256 z^{38}$ $+4354030148 z^{36} + 30146256840 z^{34} + 140925611247 z^{32}$ $+456866869264 z^{30} + 1045981631016 z^{28} + 1711596419568 z^{26}$ $+2015485091100 z^{24} + 1711596419568 z^{22} + 1045981631016 z^{20}$ $+456866869264 z^{18} + 140925611247 z^{16} + 30146256840 z^{14}$ $+4354030148 z^{12} + 408755256 z^{10} + 23619714 z^8 + 760152 z^6 + 12180 z^4$ $+168 z^2 + 1$	$\{[24, 2\sqrt{3}]\}$
		$z^{48} + 120 z^{46} + 14196 z^{44} + 771848 z^{42} + 23531970 z^{40} + 408719784 z^{38}$ $+4355161252 z^{36} + 30143704536 z^{34} + 140926376943 z^{32}$ $+456871477040 z^{30} + 1045976033256 z^{28} + 1711594387920 z^{26}$	

$\{[48, 2, 43]\}$	$x^5 + x^4 + x + 1$	$+2015492664476 z^{24} + 1711594387920 z^{22} + 1045976033256 z^{20}$ $+456871477040 z^{18} + 140926376943 z^{16} + 30143704536 z^{14}$ $+4355161252 z^{12} + 408719784 z^{10} + 23531970 z^8 + 771848 z^6 + 14196 z^4$ $+120 z^2 + 1$	$\{[24, 2\sqrt{3}]\}$
$\{[50, 2, 45]\}$	$x^5 + 1$	$z^{50} + 225 z^{48} + 21300 z^{46} + 1101300 z^{44} + 33890850 z^{42} + 640468130 z^{40}$ $+7582500900 z^{38} + 58629977700 z^{36} + 307751434575 z^{34}$ $+1128266297775 z^{32} + 2945581638760 z^{30} + 5547024282600 z^{28}$ $+7596674430300 z^{26} + 7596674430300 z^{24} + 5547024282600 z^{22}$ $+2945581638760 z^{20} + 1128266297775 z^{18} + 307751434575 z^{16}$ $+58629977700 z^{14} + 7582500900 z^{12} + 640468130 z^{10} + 33890850 z^8$ $+1101300 z^6 + 21300 z^4 + 225 z^2 + 1$	$\left\{ \left[ 25, \frac{5\sqrt{2}}{2} \right] \right\}$
$\{[54, 2, 49]\}$	$x^5 + x^4 + x^3 + x^2 + x + 1$	$z^{54} + 216 z^{52} + 20196 z^{50} + 1601145 z^{48} + 65081610 z^{46} + 1495724940 z^{44}$ $+21436851420 z^{42} + 202839604650 z^{40} + 1318427012295 z^{38}$ $+6057895084740 z^{36} + 20086736140800 z^{34} + 48781954863135 z^{32}$ $+87666285923820 z^{30} + 117337838801688 z^{28} + 117337838801688 z^{26}$ $+87666285923820 z^{24} + 48781954863135 z^{22} + 20086736140800 z^{20}$ $+6057895084740 z^{18} + 1318427012295 z^{16} + 202839604650 z^{14}$ $+21436851420 z^{12} + 1495724940 z^{10} + 65081610 z^8 + 1601145 z^6 + 20196 z^4$ $+216 z^2 + 1$	$\left\{ \left[ 27, \frac{3\sqrt{6}}{2} \right] \right\}$
$\{[55, 2, 50]\}$	$x^5 + 1$	$161051 z^{50} + 12078825 z^{48} + 396185460 z^{46} + 7488871500 z^{44} + 90718417790 z^{42}$ $+743632934330 z^{40} + 4265453011380 z^{38} + 17536511624940 z^{36}$ $+52607886078605 z^{34} + 116651507117695 z^{32} + 192866856420392 z^{30}$ $+239022363654360 z^{28} + 222535652245060 z^{26} + 155537053229580 z^{24}$ $+81304300203720 z^{22} + 31564406055160 z^{20} + 9004763880805 z^{18}$ $+1859484538615 z^{16} + 272115363300 z^{14} + 27399208540 z^{12}$ $+1826201630 z^{10} + 77298650 z^8 + 2029060 z^6 + 31900 z^4 + 275 z^2 + 1$	$\left\{ \left[ \frac{55}{2}, \frac{\sqrt{55}}{2} \right] \right\}$
$\{[56, 2, 51]\}$	$x^5 + x^2 + x + 1$	$z^{56} + 84 z^{54} + 23002 z^{52} + 2029412 z^{50} + 88779131 z^{48} + 2225444536 z^{46}$ $+34898984036 z^{44} + 362795480696 z^{42} + 2603060732041 z^{40}$ $+13270495375676 z^{38} + 49100857380806 z^{36} + 133911383653516 z^{34}$ $+272189511640571 z^{32} + 415402984328528 z^{30} + 478043205981176 z^{28}$	$\{[28, \sqrt{14}]\}$

		$+415402984328528 z^{26} + 272189511640571 z^{24} + 133911383653516 z^{22}$ $+49100857380806 z^{20} + 13270495375676 z^{18} + 2603060732041 z^{16}$ $+362795480696 z^{14} + 34898984036 z^{12} + 2225444536 z^{10} + 88779131 z^8$ $+2029412 z^6 + 23002 z^4 + 84 z^2 + 1$	
$\{[56, 2, 51]\}$	$x^5 + x^4 + x^3 + 1$	$z^{56} + 84 z^{54} + 23002 z^{52} + 2029412 z^{50} + 88779131 z^{48} + 2225444536 z^{46}$ $+ 34898984036 z^{44} + 362795480696 z^{42} + 2603060732041 z^{40}$ $+ 13270495375676 z^{38} + 49100857380806 z^{36} + 133911383653516 z^{34}$ $+ 272189511640571 z^{32} + 415402984328528 z^{30} + 478043205981176 z^{28}$ $+ 415402984328528 z^{26} + 272189511640571 z^{24} + 133911383653516 z^{22}$ $+ 49100857380806 z^{20} + 13270495375676 z^{18} + 2603060732041 z^{16}$ $+ 362795480696 z^{14} + 34898984036 z^{12} + 2225444536 z^{10} + 88779131 z^8$ $+ 2029412 z^6 + 23002 z^4 + 84 z^2 + 1$	$\{[28, \sqrt{14}]\}$
$\{[56, 2, 51]\}$	$x^5 + x^4 + x + 1$	$z^{56} + 168 z^{54} + 27034 z^{52} + 2058056 z^{50} + 88685051 z^{48} + 2224577264 z^{46}$ $+ 34902251748 z^{44} + 362798514288 z^{42} + 2603031009033 z^{40}$ $+ 13270529694968 z^{38} + 49100923265030 z^{36} + 133911178460696 z^{34}$ $+ 272189641694971 z^{32} + 415403186561440 z^{30} + 478042800085752 z^{28}$ $+ 415403186561440 z^{26} + 272189641694971 z^{24} + 133911178460696 z^{22}$ $+ 49100923265030 z^{20} + 13270529694968 z^{18} + 2603031009033 z^{16}$ $+ 362798514288 z^{14} + 34902251748 z^{12} + 2224577264 z^{10} + 88685051 z^8$ $+ 2058056 z^6 + 27034 z^4 + 168 z^2 + 1$	$\{[28, \sqrt{14}]\}$
$\{[60, 2, 55]\}$	$x^5 + 1$	$z^{60} + 330 z^{58} + 46035 z^{56} + 3532980 z^{54} + 163232685 z^{52} + 4714242126 z^{50}$ $+ 87397575215 z^{48} + 1084058032200 z^{46} + 9351133745085 z^{44}$ $+ 57814390606170 z^{42} + 261987250152375 z^{40} + 884644701414540 z^{38}$ $+ 2253281057526025 z^{36} + 4367875551851790 z^{34} + 6482491984028115 z^{32}$ $+ 7391552206992624 z^{30} + 6482491984028115 z^{28} + 4367875551851790 z^{26}$ $+ 2253281057526025 z^{24} + 884644701414540 z^{22} + 261987250152375 z^{20}$ $+ 57814390606170 z^{18} + 9351133745085 z^{16} + 1084058032200 z^{14}$ $+ 87397575215 z^{12} + 4714242126 z^{10} + 163232685 z^8 + 3532980 z^6 + 46035 z^4$ $+ 330 z^2 + 1$	$\{[30, \sqrt{15}]\}$
		$z^{60} + 90 z^{58} + 30675 z^{56} + 3128020 z^{54} + 159914925 z^{52} + 4712146686 z^{50}$	



$\{[60, 2, 55]\}$	$x^5 + x^3 + x + 1$	$+87459747375 z^{48} + 1084119582600 z^{46} + 9350520097725 z^{44}$ $+57814357756650 z^{42} + 261990257978295 z^{40} + 884642556552300 z^{38}$ $+2253274137666825 z^{36} + 4367885522382270 z^{34} + 6482496450869715 z^{32}$ $+7391536503255664 z^{30} + 6482496450869715 z^{28} + 4367885522382270 z^{26}$ $+2253274137666825 z^{24} + 884642556552300 z^{22} + 261990257978295 z^{20}$ $+57814357756650 z^{18} + 9350520097725 z^{16} + 1084119582600 z^{14}$ $+87459747375 z^{12} + 4712146686 z^{10} + 159914925 z^8 + 3128020 z^6 + 30675 z^4$ $+90 z^2 + 1$	$\{[30, \sqrt{15}]\}$
$\{[60, 2, 55]\}$	$x^5 + x^3 + x^2 + 1$	$z^{60} + 120 z^{58} + 31035 z^{56} + 3121600 z^{54} + 159945525 z^{52} + 4712097000 z^{50}$ $+87459762975 z^{48} + 1084118822400 z^{46} + 9350526965805 z^{44}$ $+57814328931960 z^{42} + 261990333981039 z^{40} + 884642417555520 z^{38}$ $+2253274320812385 z^{36} + 4367885344793640 z^{34} + 6482496587459955 z^{32}$ $+7391536390402048 z^{30} + 6482496587459955 z^{28} + 4367885344793640 z^{26}$ $+2253274320812385 z^{24} + 884642417555520 z^{22} + 261990333981039 z^{20}$ $+57814328931960 z^{18} + 9350526965805 z^{16} + 1084118822400 z^{14}$ $+87459762975 z^{12} + 4712097000 z^{10} + 159945525 z^8 + 3121600 z^6 + 31035 z^4$ $+120 z^2 + 1$	$\{[30, \sqrt{15}]\}$
$\{[60, 2, 55]\}$	$x^5 + x^4 + x^3 + x^2 + x + 1$	$z^{60} + 270 z^{58} + 31635 z^{56} + 3107260 z^{54} + 159969645 z^{52} + 4712512506 z^{50}$ $+87456876975 z^{48} + 1084127083800 z^{46} + 9350518916925 z^{44}$ $+57814306876350 z^{42} + 261990430785015 z^{40} + 884642255261700 z^{38}$ $+2253274409169225 z^{36} + 4367885547091770 z^{34} + 6482496010556115 z^{32}$ $+7391537142485584 z^{30} + 6482496010556115 z^{28} + 4367885547091770 z^{26}$ $+2253274409169225 z^{24} + 884642255261700 z^{22} + 261990430785015 z^{20}$ $+57814306876350 z^{18} + 9350518916925 z^{16} + 1084127083800 z^{14}$ $+87456876975 z^{12} + 4712512506 z^{10} + 159969645 z^8 + 3107260 z^6 + 31635 z^4$ $+270 z^2 + 1$	$\{[30, \sqrt{15}]\}$
$\{[60, 2, 55]\}$	$x^5 + x^4 + x^2 + 1$	$z^{60} + 90 z^{58} + 30675 z^{56} + 3128020 z^{54} + 159914925 z^{52} + 4712146686 z^{50}$ $+87459747375 z^{48} + 1084119582600 z^{46} + 9350520097725 z^{44}$ $+57814357756650 z^{42} + 261990257978295 z^{40} + 884642556552300 z^{38}$ $+2253274137666825 z^{36} + 4367885522382270 z^{34} + 6482496450869715 z^{32}$ $+7391536503255664 z^{30} + 6482496450869715 z^{28} + 4367885522382270 z^{26}$	$\{[30, \sqrt{15}]\}$

		$+2253274137666825 z^{24} + 884642556552300 z^{22} + 261990257978295 z^{20}$ $+ 57814357756650 z^{18} + 9350520097725 z^{16} + 1084119582600 z^{14}$ $+ 87459747375 z^{12} + 4712146686 z^{10} + 159914925 z^8 + 3128020 z^6 + 30675 z^4$ $+ 90 z^2 + 1$	
$\{[62, 2, 57]\}$	$x^5 + x^2 + 1$	$z^{62} + 31 z^{60} + 1240 z^{59} + 17825 z^{58} + 201376 z^{57} + 1917567 z^{56} + 15376496 z^{55}$ $+ 105681945 z^{54} + 633902880 z^{53} + 3359855175 z^{52} + 15883754952 z^{51}$ $+ 67505222265 z^{50} + 259632638400 z^{49} + 908716863975 z^{48}$ $+ 2907902379360 z^{47} + 8541955350645 z^{46} + 23113504896960 z^{45}$ $+ 57783782402475 z^{44} + 133815121723800 z^{43} + 287702467354005 z^{42}$ $+ 575404846003680 z^{41} + 1072345479497355 z^{40} + 1864948807251600 z^{39}$ $+ 3030541670663325 z^{38} + 4606423124905056 z^{37} + 6555294653233347 z^{36}$ $+ 8740393145981896 z^{35} + 10925491167294845 z^{34}$ $+ 12809196230062720 z^{33} + 14090116153609187 z^{32}$ $+ 14544636339767104 z^{31} + 14090116153609187 z^{30}$ $+ 12809196230062720 z^{29} + 10925491167294845 z^{28}$ $+ 8740393145981896 z^{27} + 6555294653233347 z^{26} + 4606423124905056 z^{25}$ $+ 3030541670663325 z^{24} + 1864948807251600 z^{23} + 1072345479497355 z^{22}$ $+ 575404846003680 z^{21} + 287702467354005 z^{20} + 133815121723800 z^{19}$ $+ 57783782402475 z^{18} + 23113504896960 z^{17} + 8541955350645 z^{16}$ $+ 2907902379360 z^{15} + 908716863975 z^{14} + 259632638400 z^{13}$ $+ 67505222265 z^{12} + 15883754952 z^{11} + 3359855175 z^{10} + 633902880 z^9$ $+ 105681945 z^8 + 15376496 z^7 + 1917567 z^6 + 201376 z^5 + 17825 z^4 + 1240 z^3$ $+ 31 z^2 + 1$	$\left\{ \left[ 31, \frac{\sqrt{62}}{2} \right] \right\}$
		$z^{62} + 31 z^{60} + 1240 z^{59} + 17825 z^{58} + 201376 z^{57} + 1917567 z^{56} + 15376496 z^{55}$ $+ 105681945 z^{54} + 633902880 z^{53} + 3359855175 z^{52} + 15883754952 z^{51}$ $+ 67505222265 z^{50} + 259632638400 z^{49} + 908716863975 z^{48}$ $+ 2907902379360 z^{47} + 8541955350645 z^{46} + 23113504896960 z^{45}$ $+ 57783782402475 z^{44} + 133815121723800 z^{43} + 287702467354005 z^{42}$ $+ 575404846003680 z^{41} + 1072345479497355 z^{40} + 1864948807251600 z^{39}$ $+ 3030541670663325 z^{38} + 4606423124905056 z^{37} + 6555294653233347 z^{36}$ $+ 8740393145981896 z^{35} + 10925491167294845 z^{34}$	

$\{[62, 2, 57]\}$	$x^5 + x^3 + 1$	$+12809196230062720 z^{33} + 14090116153609187 z^{32}$ $+14544636339767104 z^{31} + 14090116153609187 z^{30}$ $+12809196230062720 z^{29} + 10925491167294845 z^{28}$ $+8740393145981896 z^{27} + 6555294653233347 z^{26} + 4606423124905056 z^{25}$ $+3030541670663325 z^{24} + 1864948807251600 z^{23} + 1072345479497355 z^{22}$ $+575404846003680 z^{21} + 287702467354005 z^{20} + 133815121723800 z^{19}$ $+57783782402475 z^{18} + 23113504896960 z^{17} + 8541955350645 z^{16}$ $+2907902379360 z^{15} + 908716863975 z^{14} + 259632638400 z^{13}$ $+67505222265 z^{12} + 15883754952 z^{11} + 3359855175 z^{10} + 633902880 z^9$ $+105681945 z^8 + 15376496 z^7 + 1917567 z^6 + 201376 z^5 + 17825 z^4 + 1240 z^3$ $+31 z^2 + 1$	$\left\{ \left[ 31, \frac{\sqrt{62}}{2} \right] \right\}$
$\{[62, 2, 57]\}$	$x^5 + x^3 + x^2 + x + 1$	$z^{62} + 31 z^{60} + 1240 z^{59} + 17825 z^{58} + 201376 z^{57} + 1917567 z^{56} + 15376496 z^{55}$ $+105681945 z^{54} + 633902880 z^{53} + 3359855175 z^{52} + 15883754952 z^{51}$ $+67505222265 z^{50} + 259632638400 z^{49} + 908716863975 z^{48}$ $+2907902379360 z^{47} + 8541955350645 z^{46} + 23113504896960 z^{45}$ $+57783782402475 z^{44} + 133815121723800 z^{43} + 287702467354005 z^{42}$ $+575404846003680 z^{41} + 1072345479497355 z^{40} + 1864948807251600 z^{39}$ $+3030541670663325 z^{38} + 4606423124905056 z^{37} + 6555294653233347 z^{36}$ $+8740393145981896 z^{35} + 10925491167294845 z^{34}$ $+12809196230062720 z^{33} + 14090116153609187 z^{32}$ $+14544636339767104 z^{31} + 14090116153609187 z^{30}$ $+12809196230062720 z^{29} + 10925491167294845 z^{28}$ $+8740393145981896 z^{27} + 6555294653233347 z^{26} + 4606423124905056 z^{25}$ $+3030541670663325 z^{24} + 1864948807251600 z^{23} + 1072345479497355 z^{22}$ $+575404846003680 z^{21} + 287702467354005 z^{20} + 133815121723800 z^{19}$ $+57783782402475 z^{18} + 23113504896960 z^{17} + 8541955350645 z^{16}$ $+2907902379360 z^{15} + 908716863975 z^{14} + 259632638400 z^{13}$ $+67505222265 z^{12} + 15883754952 z^{11} + 3359855175 z^{10} + 633902880 z^9$ $+105681945 z^8 + 15376496 z^7 + 1917567 z^6 + 201376 z^5 + 17825 z^4 + 1240 z^3$ $+31 z^2 + 1$	$\left\{ \left[ 31, \frac{\sqrt{62}}{2} \right] \right\}$
		$z^{62} + 31 z^{60} + 1240 z^{59} + 17825 z^{58} + 201376 z^{57} + 1917567 z^{56} + 15376496 z^{55}$	

$\{[62, 2, 57]\}$	$x^5 + x^4 + x^3 + x^2 + 1$	$+105681945 z^{54} + 633902880 z^{53} + 3359855175 z^{52} + 15883754952 z^{51}$ $+ 67505222265 z^{50} + 259632638400 z^{49} + 908716863975 z^{48}$ $+ 2907902379360 z^{47} + 8541955350645 z^{46} + 23113504896960 z^{45}$ $+ 57783782402475 z^{44} + 133815121723800 z^{43} + 287702467354005 z^{42}$ $+ 575404846003680 z^{41} + 1072345479497355 z^{40} + 1864948807251600 z^{39}$ $+ 3030541670663325 z^{38} + 4606423124905056 z^{37} + 6555294653233347 z^{36}$ $+ 8740393145981896 z^{35} + 10925491167294845 z^{34}$ $+ 12809196230062720 z^{33} + 14090116153609187 z^{32}$ $+ 14544636339767104 z^{31} + 14090116153609187 z^{30}$ $+ 12809196230062720 z^{29} + 10925491167294845 z^{28}$ $+ 8740393145981896 z^{27} + 6555294653233347 z^{26} + 4606423124905056 z^{25}$ $+ 3030541670663325 z^{24} + 1864948807251600 z^{23} + 1072345479497355 z^{22}$ $+ 575404846003680 z^{21} + 287702467354005 z^{20} + 133815121723800 z^{19}$ $+ 57783782402475 z^{18} + 23113504896960 z^{17} + 8541955350645 z^{16}$ $+ 2907902379360 z^{15} + 908716863975 z^{14} + 259632638400 z^{13}$ $+ 67505222265 z^{12} + 15883754952 z^{11} + 3359855175 z^{10} + 633902880 z^9$ $+ 105681945 z^8 + 15376496 z^7 + 1917567 z^6 + 201376 z^5 + 17825 z^4 + 1240 z^3$ $+ 31 z^2 + 1$	$\left\{ \left[ 31, \frac{\sqrt{62}}{2} \right] \right\}$
$\{[62, 2, 57]\}$	$x^5 + x^4 + x^3 + x + 1$	$z^{62} + 31 z^{60} + 1240 z^{59} + 17825 z^{58} + 201376 z^{57} + 1917567 z^{56} + 15376496 z^{55}$ $+ 105681945 z^{54} + 633902880 z^{53} + 3359855175 z^{52} + 15883754952 z^{51}$ $+ 67505222265 z^{50} + 259632638400 z^{49} + 908716863975 z^{48}$ $+ 2907902379360 z^{47} + 8541955350645 z^{46} + 23113504896960 z^{45}$ $+ 57783782402475 z^{44} + 133815121723800 z^{43} + 287702467354005 z^{42}$ $+ 575404846003680 z^{41} + 1072345479497355 z^{40} + 1864948807251600 z^{39}$ $+ 3030541670663325 z^{38} + 4606423124905056 z^{37} + 6555294653233347 z^{36}$ $+ 8740393145981896 z^{35} + 10925491167294845 z^{34}$ $+ 12809196230062720 z^{33} + 14090116153609187 z^{32}$ $+ 14544636339767104 z^{31} + 14090116153609187 z^{30}$ $+ 12809196230062720 z^{29} + 10925491167294845 z^{28}$ $+ 8740393145981896 z^{27} + 6555294653233347 z^{26} + 4606423124905056 z^{25}$ $+ 3030541670663325 z^{24} + 1864948807251600 z^{23} + 1072345479497355 z^{22}$	$\left\{ \left[ 31, \frac{\sqrt{62}}{2} \right] \right\}$

		$ \begin{aligned} &+575404846003680 z^{21}+287702467354005 z^{20}+133815121723800 z^{19} \\ &+57783782402475 z^{18}+23113504896960 z^{17}+8541955350645 z^{16} \\ &+2907902379360 z^{15}+908716863975 z^{14}+259632638400 z^{13} \\ &+67505222265 z^{12}+15883754952 z^{11}+3359855175 z^{10}+633902880 z^9 \\ &+105681945 z^8+15376496 z^7+1917567 z^6+201376 z^5+17825 z^4+1240 z^3 \\ &+31 z^2+1 \end{aligned} $	
$\{[62, 2, 57]\}$	$x^5+x^4+x^2+x+1$	$ \begin{aligned} &z^{62}+31 z^{60}+1240 z^{59}+17825 z^{58}+201376 z^{57}+1917567 z^{56}+15376496 z^{55} \\ &+105681945 z^{54}+633902880 z^{53}+3359855175 z^{52}+15883754952 z^{51} \\ &+67505222265 z^{50}+259632638400 z^{49}+908716863975 z^{48} \\ &+2907902379360 z^{47}+8541955350645 z^{46}+23113504896960 z^{45} \\ &+57783782402475 z^{44}+133815121723800 z^{43}+287702467354005 z^{42} \\ &+575404846003680 z^{41}+1072345479497355 z^{40}+1864948807251600 z^{39} \\ &+3030541670663325 z^{38}+4606423124905056 z^{37}+6555294653233347 z^{36} \\ &+8740393145981896 z^{35}+10925491167294845 z^{34} \\ &+12809196230062720 z^{33}+14090116153609187 z^{32} \\ &+14544636339767104 z^{31}+14090116153609187 z^{30} \\ &+12809196230062720 z^{29}+10925491167294845 z^{28} \\ &+8740393145981896 z^{27}+6555294653233347 z^{26}+4606423124905056 z^{25} \\ &+3030541670663325 z^{24}+1864948807251600 z^{23}+1072345479497355 z^{22} \\ &+575404846003680 z^{21}+287702467354005 z^{20}+133815121723800 z^{19} \\ &+57783782402475 z^{18}+23113504896960 z^{17}+8541955350645 z^{16} \\ &+2907902379360 z^{15}+908716863975 z^{14}+259632638400 z^{13} \\ &+67505222265 z^{12}+15883754952 z^{11}+3359855175 z^{10}+633902880 z^9 \\ &+105681945 z^8+15376496 z^7+1917567 z^6+201376 z^5+17825 z^4+1240 z^3 \\ &+31 z^2+1 \end{aligned} $	$\left\{ \left[ 31, \frac{\sqrt{62}}{2} \right] \right\}$
		$ \begin{aligned} &z^{63}+63 z^{61}+1134 z^{60}+18900 z^{59}+220563 z^{58}+2120202 z^{57}+17287641 z^{56} \\ &+121032387 z^{55}+739631130 z^{54}+3993999849 z^{53}+19243184688 z^{52} \\ &+83387768646 z^{51}+327140489277 z^{50}+1168353201780 z^{49} \\ &+3816608614203 z^{48}+11449850537097 z^{47}+31655490060852 z^{46} \\ &+80897296319343 z^{45}+191598843501450 z^{44}+421517578075272 z^{43} \\ &+863107406744883 z^{42}+1647750359527398 z^{41}+2937294166937697 z^{40} \end{aligned} $	

$\{[63, 2, 58]\}$	$x^5 + x + 1$	$ \begin{aligned} &+4895490359707395 z^{39} + 7636964953351734 z^{38} \\ &+11161718061531345 z^{37} + 15295687550216500 z^{36} \\ &+19665883835383554 z^{35} + 23734687801663125 z^{34} \\ &+26899312975937304 z^{33} + 28634751938790459 z^{32} \\ &+28634751938790459 z^{31} + 26899312975937304 z^{30} \\ &+23734687801663125 z^{29} + 19665883835383554 z^{28} \\ &+15295687550216500 z^{27} + 11161718061531345 z^{26} \\ &+7636964953351734 z^{25} + 4895490359707395 z^{24} + 2937294166937697 z^{23} \\ &+1647750359527398 z^{22} + 863107406744883 z^{21} + 421517578075272 z^{20} \\ &+191598843501450 z^{19} + 80897296319343 z^{18} + 31655490060852 z^{17} \\ &+11449850537097 z^{16} + 3816608614203 z^{15} + 1168353201780 z^{14} \\ &+327140489277 z^{13} + 83387768646 z^{12} + 19243184688 z^{11} + 3993999849 z^{10} \\ &+739631130 z^9 + 121032387 z^8 + 17287641 z^7 + 2120202 z^6 + 220563 z^5 \\ &+18900 z^4 + 1134 z^3 + 63 z^2 + 1 \end{aligned} $	$ \left\{ \left[ \frac{63}{2}, \frac{3\sqrt{7}}{2} \right] \right\} $
$\{[63, 2, 58]\}$	$x^5 + x^4 + 1$	$ \begin{aligned} &z^{63} + 63 z^{61} + 1134 z^{60} + 18900 z^{59} + 220563 z^{58} + 2120202 z^{57} + 17287641 z^{56} \\ &+121032387 z^{55} + 739631130 z^{54} + 3993999849 z^{53} + 19243184688 z^{52} \\ &+83387768646 z^{51} + 327140489277 z^{50} + 1168353201780 z^{49} \\ &+3816608614203 z^{48} + 11449850537097 z^{47} + 31655490060852 z^{46} \\ &+80897296319343 z^{45} + 191598843501450 z^{44} + 421517578075272 z^{43} \\ &+863107406744883 z^{42} + 1647750359527398 z^{41} + 2937294166937697 z^{40} \\ &+4895490359707395 z^{39} + 7636964953351734 z^{38} \\ &+11161718061531345 z^{37} + 15295687550216500 z^{36} \\ &+19665883835383554 z^{35} + 23734687801663125 z^{34} \\ &+26899312975937304 z^{33} + 28634751938790459 z^{32} \\ &+28634751938790459 z^{31} + 26899312975937304 z^{30} \\ &+23734687801663125 z^{29} + 19665883835383554 z^{28} \\ &+15295687550216500 z^{27} + 11161718061531345 z^{26} \\ &+7636964953351734 z^{25} + 4895490359707395 z^{24} + 2937294166937697 z^{23} \\ &+1647750359527398 z^{22} + 863107406744883 z^{21} + 421517578075272 z^{20} \\ &+191598843501450 z^{19} + 80897296319343 z^{18} + 31655490060852 z^{17} \\ &+11449850537097 z^{16} + 3816608614203 z^{15} + 1168353201780 z^{14} \end{aligned} $	$ \left\{ \left[ \frac{63}{2}, \frac{3\sqrt{7}}{2} \right] \right\} $

		$+327140489277 z^{13} + 83387768646 z^{12} + 19243184688 z^{11} + 3993999849 z^{10}$ $+ 739631130 z^9 + 121032387 z^8 + 17287641 z^7 + 2120202 z^6 + 220563 z^5$ $+ 18900 z^4 + 1134 z^3 + 63 z^2 + 1$	
$\{[64, 2, 59]\}$	$x^5 + x^4 + x + 1$	$z^{64} + 224 z^{62} + 47088 z^{60} + 4779936 z^{58} + 276674680 z^{56} + 9463368288 z^{54}$ $+ 205266945488 z^{52} + 2991030465312 z^{50} + 30532814239516 z^{48}$ $+ 225105355792224 z^{46} + 1226233976489712 z^{44} + 5021714366170400 z^{42}$ $+ 15665567303001928 z^{40} + 37597371295062240 z^{38}$ $+ 69923139968924496 z^{36} + 101267995486475424 z^{34}$ $+ 114539019086549574 z^{32} + 101267995486475424 z^{30}$ $+ 69923139968924496 z^{28} + 37597371295062240 z^{26}$ $+ 15665567303001928 z^{24} + 5021714366170400 z^{22}$ $+ 1226233976489712 z^{20} + 225105355792224 z^{18} + 30532814239516 z^{16}$ $+ 2991030465312 z^{14} + 205266945488 z^{12} + 9463368288 z^{10} + 276674680 z^8$ $+ 4779936 z^6 + 47088 z^4 + 224 z^2 + 1$	$\{[32, 4]\}$
$\{[65, 2, 60]\}$	$x^5 + 1$	$371293 z^{60} + 40842230 z^{58} + 1980848155 z^{56} + 55953855100 z^{54}$ $+ 1026671556625 z^{52} + 12960933417666 z^{50} + 116740122154175 z^{48}$ $+ 770099536749400 z^{46} + 3795500251568025 z^{44} + 14191784203089350 z^{42}$ $+ 40730441015792047 z^{40} + 90512256762811780 z^{38}$ $+ 156724302698746445 z^{36} + 212335999047862690 z^{34}$ $+ 225607200031648435 z^{32} + 188069234940108496 z^{30}$ $+ 122837863859443655 z^{28} + 62662261368669170 z^{26}$ $+ 24835704928428225 z^{24} + 7590957671311300 z^{22}$ $+ 1771213905768515 z^{20} + 311319615868950 z^{18} + 40504372014925 z^{16}$ $+ 3811550551640 z^{14} + 251604774915 z^{12} + 11209286738 z^{10}$ $+ 323372725 z^8 + 5869500 z^6 + 64415 z^4 + 390 z^2 + 1$	$\left\{ \left[ \frac{65}{2}, \frac{\sqrt{65}}{2} \right] \right\}$
$\{[66, 2, 61]\}$	$x^5 + x^4 + x^3 + x^2 + x$	$z^{66} + 330 z^{64} + 47355 z^{62} + 5646333 z^{60} + 358991655 z^{58} + 13187452113 z^{56}$ $+ 307673296315 z^{54} + 4838364438765 z^{52} + 53463815632491 z^{50}$ $+ 428059547475945 z^{48} + 2541323725115175 z^{46} + 11386447323397905 z^{44}$ $+ 39027462868984755 z^{42} + 103392758462990997 z^{40}$ $+ 213350126495063415 z^{38} + 344793436129240241 z^{36}$ $+ 437943266649073185 z^{34} + 437943266649073185 z^{32}$	

	+1	$ \begin{aligned} &+344793436129240241 z^{30} + 213350126495063415 z^{28} \\ &+ 103392758462990997 z^{26} + 39027462868984755 z^{24} \\ &+ 11386447323397905 z^{22} + 2541323725115175 z^{20} + 428059547475945 z^{18} \\ &+ 53463815632491 z^{16} + 4838364438765 z^{14} + 307673296315 z^{12} \\ &+ 13187452113 z^{10} + 358991655 z^8 + 5646333 z^6 + 47355 z^4 + 330 z^2 + 1 \end{aligned} $	$\left\{ \left[ 33, \frac{\sqrt{66}}{2} \right] \right\}$
{[70, 2, 65]}	$x^5 + 1$	$ \begin{aligned} &z^{70} + 455 z^{68} + 87815 z^{66} + 9372545 z^{64} + 607053720 z^{62} + 24873901416 z^{60} \\ &+ 664745226600 z^{58} + 12076481037080 z^{56} + 155007242646620 z^{54} \\ &+ 1449777038657220 z^{52} + 10117766905420356 z^{50} \\ &+ 53654841910897500 z^{48} + 219285548358949800 z^{46} \\ &+ 698339811225452760 z^{44} + 1747695893507754200 z^{42} \\ &+ 3459233786668813608 z^{40} + 5439925064499923270 z^{38} \\ &+ 6816873809634356650 z^{36} + 6816873809634356650 z^{34} \\ &+ 5439925064499923270 z^{32} + 3459233786668813608 z^{30} \\ &+ 1747695893507754200 z^{28} + 698339811225452760 z^{26} \\ &+ 219285548358949800 z^{24} + 53654841910897500 z^{22} \\ &+ 10117766905420356 z^{20} + 1449777038657220 z^{18} + 155007242646620 z^{16} \\ &+ 12076481037080 z^{14} + 664745226600 z^{12} + 24873901416 z^{10} \\ &+ 607053720 z^8 + 9372545 z^6 + 87815 z^4 + 455 z^2 + 1 \end{aligned} $	$\left\{ \left[ 35, \frac{\sqrt{70}}{2} \right] \right\}$
{[70, 2, 65]}	$x^5 + x^2 + x + 1$	$ \begin{aligned} &175 z^{68} + 56700 z^{66} + 8202145 z^{64} + 589965040 z^{62} + 24794338632 z^{60} \\ &+ 664929674640 z^{58} + 12078363313720 z^{56} + 155005610231920 z^{54} \\ &+ 1449758431689540 z^{52} + 10117787730925056 z^{50} \\ &+ 53654934885743100 z^{48} + 219285386324986800 z^{46} \\ &+ 698339614427238840 z^{44} + 1747696495797220880 z^{42} \\ &+ 3459233753934384328 z^{40} + 5439924047069909040 z^{38} \\ &+ 6816874521978474170 z^{36} + 6816874517440906520 z^{34} \\ &+ 5439924051129837990 z^{32} + 3459233750686441168 z^{30} \\ &+ 1747696498117180280 z^{28} + 698339612950901040 z^{26} \\ &+ 219285387159438600 z^{24} + 53654934468517200 z^{22} \\ &+ 10117787914504452 z^{20} + 1449758361082080 z^{18} + 155005633767740 z^{16} \end{aligned} $	$\left\{ \left[ 35, \frac{\sqrt{70}}{2} \right] \right\}$



		$+12078356589200 z^{14} + 664931297800 z^{12} + 24794014000 z^{10}$ $+ 590017400 z^8 + 8195600 z^6 + 57295 z^4 + 140 z^2 + 1$	
$\{[70, 2, 65]\}$	$x^5 + x^4 + x^3 + 1$	$175 z^{68} + 56700 z^{66} + 8202145 z^{64} + 589965040 z^{62} + 24794338632 z^{60}$ $+ 664929674640 z^{58} + 12078363313720 z^{56} + 155005610231920 z^{54}$ $+ 1449758431689540 z^{52} + 10117787730925056 z^{50}$ $+ 53654934885743100 z^{48} + 219285386324986800 z^{46}$ $+ 698339614427238840 z^{44} + 1747696495797220880 z^{42}$ $+ 3459233753934384328 z^{40} + 5439924047069909040 z^{38}$ $+ 6816874521978474170 z^{36} + 6816874517440906520 z^{34}$ $+ 5439924051129837990 z^{32} + 3459233750686441168 z^{30}$ $+ 1747696498117180280 z^{28} + 698339612950901040 z^{26}$ $+ 219285387159438600 z^{24} + 53654934468517200 z^{22}$ $+ 10117787914504452 z^{20} + 1449758361082080 z^{18} + 155005633767740 z^{16}$ $+ 12078356589200 z^{14} + 664931297800 z^{12} + 24794014000 z^{10}$ $+ 590017400 z^8 + 8195600 z^6 + 57295 z^4 + 140 z^2 + 1$	$\left\{ \left[ 35, \frac{\sqrt{70}}{2} \right] \right\}$
$\{[72, 2, 67]\}$	$x^5 + x^3 + x^2 + 1$	$z^{72} + 180 z^{70} + 65574 z^{68} + 9750900 z^{66} + 748087065 z^{64} + 33513495840 z^{62}$ $+ 960204389136 z^{60} + 18676514768544 z^{58} + 257269116600180 z^{56}$ $+ 2589505402958320 z^{54} + 19503066404656296 z^{52}$ $+ 111952663679833200 z^{50} + 496891353777063684 z^{48}$ $+ 1724595223579399008 z^{46} + 4722105963124389744 z^{44}$ $+ 10269223546673295072 z^{42} + 17826212657637970542 z^{40}$ $+ 24785108480865732984 z^{38} + 27657033787171500388 z^{36}$ $+ 24785108480865732984 z^{34} + 17826212657637970542 z^{32}$ $+ 10269223546673295072 z^{30} + 4722105963124389744 z^{28}$ $+ 1724595223579399008 z^{26} + 496891353777063684 z^{24}$ $+ 111952663679833200 z^{22} + 19503066404656296 z^{20}$ $+ 2589505402958320 z^{18} + 257269116600180 z^{16} + 18676514768544 z^{14}$ $+ 960204389136 z^{12} + 33513495840 z^{10} + 748087065 z^8 + 9750900 z^6$ $+ 65574 z^4 + 180 z^2 + 1$	$\{[36, 3\sqrt{2}]\}$
		$z^{72} + 396 z^{70} + 68310 z^{68} + 9721548 z^{66} + 747960345 z^{64} + 33515909856 z^{62}$ $+ 960193566096 z^{60} + 18676524889440 z^{58} + 257269213983348 z^{56}$	

$\{[72, 2, 67]\}$	$x^5 + x^4 + x^3 + x^2 + x + 1$	$+2589504926433040 z^{54} + 19503067314094056 z^{52}$ $+111952663767171216 z^{50} + 496891348669270020 z^{48}$ $+1724595238226745504 z^{46} + 4722105940466626800 z^{44}$ $+10269223564752845088 z^{42} + 17826212661685128558 z^{40}$ $+24785108448515517960 z^{38} + 27657033832616549764 z^{36}$ $+24785108448515517960 z^{34} + 17826212661685128558 z^{32}$ $+10269223564752845088 z^{30} + 4722105940466626800 z^{28}$ $+1724595238226745504 z^{26} + 496891348669270020 z^{24}$ $+111952663767171216 z^{22} + 19503067314094056 z^{20}$ $+2589504926433040 z^{18} + 257269213983348 z^{16} + 18676524889440 z^{14}$ $+960193566096 z^{12} + 33515909856 z^{10} + 747960345 z^8 + 9721548 z^6$ $+68310 z^4 + 396 z^2 + 1$	$\{[36, 3\sqrt{2}]\}$
$\{[72, 2, 67]\}$	$x^5 + x^4 + x + 1$	$z^{72} + 288 z^{70} + 76662 z^{68} + 10005792 z^{66} + 749029401 z^{64} + 33503328000 z^{62}$ $+960179512464 z^{60} + 18676747190016 z^{58} + 257269096239732 z^{56}$ $+2589503008332672 z^{54} + 19503070827633000 z^{52}$ $+111952670792287104 z^{50} + 496891319745284100 z^{48}$ $+1724595252317505792 z^{46} + 4722106023107164656 z^{44}$ $+10269223389058445568 z^{42} + 17826212751219711342 z^{40}$ $+24785108613392073408 z^{38} + 27657033522168772932 z^{36}$ $+24785108613392073408 z^{34} + 17826212751219711342 z^{32}$ $+10269223389058445568 z^{30} + 4722106023107164656 z^{28}$ $+1724595252317505792 z^{26} + 496891319745284100 z^{24}$ $+111952670792287104 z^{22} + 19503070827633000 z^{20}$ $+2589503008332672 z^{18} + 257269096239732 z^{16} + 18676747190016 z^{14}$ $+960179512464 z^{12} + 33503328000 z^{10} + 749029401 z^8 + 10005792 z^6$ $+76662 z^4 + 288 z^2 + 1$	$\{[36, 3\sqrt{2}]\}$
		$759375 z^{70} + 115171875 z^{68} + 7747228125 z^{66} + 305800340625 z^{64}$ $+7914159435000 z^{62} + 142509920735000 z^{60} + 1854588335637000 z^{58}$ $+17927763234873000 z^{56} + 131471131631539700 z^{54}$ $+743616789950700900 z^{52} + 3286783007700215868 z^{50}$ $+11470969692662416300 z^{48} + 31870089696681647400 z^{46}$	

$\{[75, 2, 70]\}$	$x^5 + 1$	$+70936640580911953800 z^{44} + 127094809408093592600 z^{42}$ $+183913683137315372280 z^{40} + 215394400108969900650 z^{38}$ $+204348518513010828450 z^{36} + 156999480723265953150 z^{34}$ $+97537889236680530550 z^{32} + 48867461028213136520 z^{30}$ $+19664518953733060200 z^{28} + 6320740643419620600 z^{26}$ $+1611168853477786200 z^{24} + 322700980769082900 z^{22}$ $+50198032739726340 z^{20} + 5976014618107100 z^{18} + 534372486180300 z^{16}$ $+35035864752600 z^{14} + 1632757326200 z^{12} + 52040705640 z^{10}$ $+1088401800 z^8 + 14467775 z^6 + 117075 z^4 + 525 z^2 + 1$	$\left\{ \left[ \frac{75}{2}, \frac{5\sqrt{3}}{2} \right] \right\}$
$\{[75, 2, 70]\}$	$x^5 + x^3 + x + 1$	$4375 z^{72} + 1076250 z^{70} + 124077000 z^{68} + 7849541750 z^{66} + 306140366025 z^{64}$ $+7912519582800 z^{62} + 142500809528160 z^{60} + 1854605859049200 z^{58}$ $+17927857225871100 z^{56} + 131470951913798200 z^{54}$ $+743616334310342400 z^{52} + 3286784196149700168 z^{50}$ $+11470970485226993300 z^{48} + 31870085489654060400 z^{46}$ $+70936641886325781600 z^{44} + 127094816731454581200 z^{42}$ $+183913675948981809810 z^{40} + 215394395289128082300 z^{38}$ $+204348528828221688400 z^{36} + 156999479498961416100 z^{34}$ $+97537882584998101950 z^{32} + 48867464425905775280 z^{30}$ $+19664520824940352800 z^{28} + 6320738843563568400 z^{26}$ $+1611168721418493900 z^{24} + 322701428965303800 z^{22}$ $+50197999526364480 z^{20} + 5975952492680200 z^{18} + 534377940080100 z^{16}$ $+35041185978000 z^{14} + 1632741812000 z^{12} + 51808350000 z^{10}$ $+1054431375 z^8 + 12584250 z^6 + 76200 z^4 + 150 z^2 + 1$	$\left\{ \left[ \frac{75}{2}, \frac{5\sqrt{3}}{2} \right] \right\}$
$\{[75, 2, 70]\}$	$x^5 + x^4 + x^2 + 1$	$4375 z^{72} + 1076250 z^{70} + 124077000 z^{68} + 7849541750 z^{66} + 306140366025 z^{64}$ $+7912519582800 z^{62} + 142500809528160 z^{60} + 1854605859049200 z^{58}$ $+17927857225871100 z^{56} + 131470951913798200 z^{54}$ $+743616334310342400 z^{52} + 3286784196149700168 z^{50}$ $+11470970485226993300 z^{48} + 31870085489654060400 z^{46}$ $+70936641886325781600 z^{44} + 127094816731454581200 z^{42}$ $+183913675948981809810 z^{40} + 215394395289128082300 z^{38}$ $+204348528828221688400 z^{36} + 156999479498961416100 z^{34}$	$\left\{ \left[ \frac{75}{2}, \frac{5\sqrt{3}}{2} \right] \right\}$

		$+97537882584998101950 z^{32} + 48867464425905775280 z^{30}$ $+19664520824940352800 z^{28} + 6320738843563568400 z^{26}$ $+1611168721418493900 z^{24} + 322701428965303800 z^{22}$ $+50197999526364480 z^{20} + 5975952492680200 z^{18} + 534377940080100 z^{16}$ $+35041185978000 z^{14} + 1632741812000 z^{12} + 51808350000 z^{10}$ $+1054431375 z^8 + 12584250 z^6 + 76200 z^4 + 150 z^2 + 1$	
$\{[78, 2, 73]\}$	$x^5 + x^4 + x^3 + x^2 + x + 1$	$z^{78} + 468 z^{76} + 95550 z^{74} + 16001245 z^{72} + 1465059765 z^{70} + 78649848030 z^{68}$ $+2714419491940 z^{66} + 63983078194425 z^{64} + 1074916903088340 z^{62}$ $+13285403130825280 z^{60} + 123764036252936040 z^{58}$ $+885636146573863620 z^{56} + 4941592931579929300 z^{54}$ $+21758214000186439464 z^{52} + 76326432930847870368 z^{50}$ $+214942253839725046180 z^{48} + 488820287231825320590 z^{46}$ $+901834218907989767400 z^{44} + 1354182812348666116180 z^{42}$ $+1658536843398335319510 z^{40} + 1658536843398335319510 z^{38}$ $+1354182812348666116180 z^{36} + 901834218907989767400 z^{34}$ $+488820287231825320590 z^{32} + 214942253839725046180 z^{30}$ $+76326432930847870368 z^{28} + 21758214000186439464 z^{26}$ $+4941592931579929300 z^{24} + 885636146573863620 z^{22}$ $+123764036252936040 z^{20} + 13285403130825280 z^{18}$ $+1074916903088340 z^{16} + 63983078194425 z^{14} + 2714419491940 z^{12}$ $+78649848030 z^{10} + 1465059765 z^8 + 16001245 z^6 + 95550 z^4 + 468 z^2 + 1$	$\left\{ \left[ 39, \frac{\sqrt{78}}{2} \right] \right\}$
$\{[80, 2, 75]\}$	$x^5 + 1$	$z^{80} + 600 z^{78} + 153100 z^{76} + 21688040 z^{74} + 1875447550 z^{72} + 103488915240 z^{70}$ $+3766600608940 z^{68} + 94247833701400 z^{66} + 1684848194152685 z^{64}$ $+22201028101050720 z^{62} + 220957686830752240 z^{60}$ $+1693047819311573920 z^{58} + 10139890073596376680 z^{56}$ $+48047496574706988320 z^{54} + 181894065336256197040 z^{52}$ $+554463255489453061088 z^{50} + 1369390182801083008530 z^{48}$ $+2753426263674975872080 z^{46} + 4523485860566340643240 z^{44}$ $+6087080606526519669040 z^{42} + 6719200641866781988660 z^{40}$ $+6087080606526519669040 z^{38} + 4523485860566340643240 z^{36}$ $+2753426263674975872080 z^{34} + 1369390182801083008530 z^{32}$	$\{[40, 2\sqrt{5}]\}$

		$+554463255489453061088 z^{30} + 181894065336256197040 z^{28}$ $+48047496574706988320 z^{26} + 10139890073596376680 z^{24}$ $+1693047819311573920 z^{22} + 220957686830752240 z^{20}$ $+22201028101050720 z^{18} + 1684848194152685 z^{16} + 94247833701400 z^{14}$ $+3766600608940 z^{12} + 103488915240 z^{10} + 1875447550 z^8 + 21688040 z^6$ $+153100 z^4 + 600 z^2 + 1$	
$\{[80, 2, 75]\}$	$x^5 + x^4 + x + 1$	$z^{80} + 360 z^{78} + 118380 z^{76} + 19313880 z^{74} + 1815938110 z^{72} + 102889914008 z^{70}$ $+3765242961420 z^{68} + 94260017678760 z^{66} + 1684891487917805 z^{64}$ $+22200876055865760 z^{62} + 220957253739232624 z^{60}$ $+1693049232029040480 z^{58} + 10139891891802388840 z^{56}$ $+48047488230417285600 z^{54} + 181894064677106910000 z^{52}$ $+554463282476075889440 z^{50} + 1369390164221879109650 z^{48}$ $+2753426219664550551600 z^{46} + 4523485923124836520680 z^{44}$ $+6087080630622356980560 z^{42} + 6719200552372514473652 z^{40}$ $+6087080630622356980560 z^{38} + 4523485923124836520680 z^{36}$ $+2753426219664550551600 z^{34} + 1369390164221879109650 z^{32}$ $+554463282476075889440 z^{30} + 181894064677106910000 z^{28}$ $+48047488230417285600 z^{26} + 10139891891802388840 z^{24}$ $+1693049232029040480 z^{22} + 220957253739232624 z^{20}$ $+22200876055865760 z^{18} + 1684891487917805 z^{16} + 94260017678760 z^{14}$ $+3765242961420 z^{12} + 102889914008 z^{10} + 1815938110 z^8 + 19313880 z^6$ $+118380 z^4 + 360 z^2 + 1$	$\{[40, 2\sqrt{5}]\}$
		$z^{84} + 126 z^{82} + 2688 z^{81} + 61341 z^{80} + 964992 z^{79} + 12697608 z^{78} + 141552768 z^{77}$ $+1362254586 z^{76} + 11504504704 z^{75} + 86282949060 z^{74} + 580439051136 z^{73}$ $+3531026568986 z^{72} + 19556486877312 z^{71} + 99179182396872 z^{70}$ $+462836192241024 z^{69} + 1995981552489897 z^{68} + 7983925797617280 z^{67}$ $+29717945322481318 z^{66} + 103230758774094336 z^{65}$ $+335499965267018013 z^{64} + 1022476084068505088 z^{63}$ $+2927999701210602144 z^{62} + 7892868749626581504 z^{61}$ $+20061041394151305240 z^{60} + 48146499388781219328 z^{59}$ $+109255517842027981872 z^{58} + 234697038232163300864 z^{57}$	

$\{[84, 2, 79]\}$	$x^5 + x + 1$	$ \begin{aligned} &+477776113602162192600 z^{56} + 922602150529662220800 z^{55} \\ &+1691437275822822796576 z^{54} + 2946374609434763189760 z^{53} \\ &+4879932947053697860866 z^{52} + 7689591310395894133248 z^{51} \\ &+11534386965601726778076 z^{50} + 16477695665428910918400 z^{49} \\ &+22427974655247557075610 z^{48} + 29095750903880046193920 z^{47} \\ &+35986849803226622386800 z^{46} + 42446027972846014621440 z^{45} \\ &+47751781468038034964220 z^{44} + 51245814259189379047680 z^{43} \\ &+52465952695217247952920 z^{42} + 51245814259189379047680 z^{41} \\ &+47751781468038034964220 z^{40} + 42446027972846014621440 z^{39} \\ &+35986849803226622386800 z^{38} + 29095750903880046193920 z^{37} \\ &+22427974655247557075610 z^{36} + 16477695665428910918400 z^{35} \\ &+11534386965601726778076 z^{34} + 7689591310395894133248 z^{33} \\ &+4879932947053697860866 z^{32} + 2946374609434763189760 z^{31} \\ &+1691437275822822796576 z^{30} + 922602150529662220800 z^{29} \\ &+477776113602162192600 z^{28} + 234697038232163300864 z^{27} \\ &+109255517842027981872 z^{26} + 48146499388781219328 z^{25} \\ &+20061041394151305240 z^{24} + 7892868749626581504 z^{23} \\ &+2927999701210602144 z^{22} + 1022476084068505088 z^{21} \\ &+335499965267018013 z^{20} + 103230758774094336 z^{19} \\ &+29717945322481318 z^{18} + 7983925797617280 z^{17} \\ &+1995981552489897 z^{16} + 462836192241024 z^{15} + 99179182396872 z^{14} \\ &+19556486877312 z^{13} + 3531026568986 z^{12} + 580439051136 z^{11} \\ &+86282949060 z^{10} + 11504504704 z^9 + 1362254586 z^8 + 141552768 z^7 \\ &+12697608 z^6 + 964992 z^5 + 61341 z^4 + 2688 z^3 + 126 z^2 + 1 \end{aligned} $	$\{[42, \sqrt{21}]\}$
		$ \begin{aligned} &z^{84} + 210 z^{82} + 120477 z^{80} + 25407032 z^{78} + 2724694266 z^{76} + 172563929244 z^{74} \\ &+ 7062058392858 z^{72} + 198358382151288 z^{70} + 3991962961648809 z^{68} \\ &+ 59435890808637546 z^{66} + 670999932439790877 z^{64} \\ &+ 5855999390418018912 z^{62} + 40122082826087329816 z^{60} \\ &+ 218511035608971028560 z^{58} + 955552227296218104024 z^{56} \\ &+ 3382874551599557878752 z^{54} + 9759865894067464882434 z^{52} \\ &+ 23068773931216852923588 z^{50} + 44855949310828198194330 z^{48} \end{aligned} $	

$\{[84, 2, 79]\}$	$x^5 + x^2 + x + 1$	$+71973699605423039546640 z^{46} + 95503562937850493680380 z^{44}$ $+104931905388336054633000 z^{42} + 95503562937850493680380 z^{40}$ $+71973699605423039546640 z^{38} + 44855949310828198194330 z^{36}$ $+23068773931216852923588 z^{34} + 9759865894067464882434 z^{32}$ $+3382874551599557878752 z^{30} + 955552227296218104024 z^{28}$ $+218511035608971028560 z^{26} + 40122082826087329816 z^{24}$ $+5855999390418018912 z^{22} + 670999932439790877 z^{20}$ $+59435890808637546 z^{18} + 3991962961648809 z^{16} + 198358382151288 z^{14}$ $+7062058392858 z^{12} + 172563929244 z^{10} + 2724694266 z^8 + 25407032 z^6$ $+120477 z^4 + 210 z^2 + 1$	$\{[42, \sqrt{21}]\}$
$\{[84, 2, 79]\}$	$x^5 + x^3 + x^2 + 1$	$z^{84} + 252 z^{82} + 123165 z^{80} + 25385808 z^{78} + 2724608250 z^{76} + 172565180424 z^{74}$ $+7062057124122 z^{72} + 198358346433744 z^{70} + 3991963180175145 z^{68}$ $+59435890356042060 z^{66} + 670999931594973981 z^{64}$ $+5855999398758669888 z^{62} + 40122082799853990936 z^{60}$ $+218511035651491714656 z^{58} + 955552227285469412568 z^{56}$ $+3382874551467547047744 z^{54} + 9759865894451847796482 z^{52}$ $+23068773930615197206968 z^{50} + 44855949311384386225050 z^{48}$ $+71973699605260659853920 z^{46} + 95503562937497288222460 z^{44}$ $+104931905388927886977840 z^{42} + 95503562937497288222460 z^{40}$ $+71973699605260659853920 z^{38} + 44855949311384386225050 z^{36}$ $+23068773930615197206968 z^{34} + 9759865894451847796482 z^{32}$ $+3382874551467547047744 z^{30} + 955552227285469412568 z^{28}$ $+218511035651491714656 z^{26} + 40122082799853990936 z^{24}$ $+5855999398758669888 z^{22} + 670999931594973981 z^{20}$ $+59435890356042060 z^{18} + 3991963180175145 z^{16} + 198358346433744 z^{14}$ $+7062057124122 z^{12} + 172565180424 z^{10} + 2724608250 z^8 + 25385808 z^6$ $+123165 z^4 + 252 z^2 + 1$	$\{[42, \sqrt{21}]\}$
		$z^{84} + 546 z^{82} + 130221 z^{80} + 25351704 z^{78} + 2723835114 z^{76} + 172572620220 z^{74}$ $+7062042757770 z^{72} + 198358223704920 z^{70} + 3991964064407865 z^{68}$ $+59435888254912890 z^{66} + 670999929570615645 z^{64}$ $+5855999428291914720 z^{62} + 40122082701578306520 z^{60}$	

$\{[84, 2, 79]\}$	$x^5 + x^4 + x^3 + x^2 + x + 1$	$+218511035819258534352 z^{58} + 955552227211848981912 z^{56}$ $+3382874551071896562528 z^{54} + 9759865895634996759618 z^{52}$ $+23068773928940459176548 z^{50} + 44855949312364021478010 z^{48}$ $+71973699606406611009360 z^{46} + 95503562933858287937820 z^{44}$ $+104931905393685129356520 z^{42} + 95503562933858287937820 z^{40}$ $+71973699606406611009360 z^{38} + 44855949312364021478010 z^{36}$ $+23068773928940459176548 z^{34} + 9759865895634996759618 z^{32}$ $+3382874551071896562528 z^{30} + 955552227211848981912 z^{28}$ $+218511035819258534352 z^{26} + 40122082701578306520 z^{24}$ $+5855999428291914720 z^{22} + 670999929570615645 z^{20}$ $+59435888254912890 z^{18} + 3991964064407865 z^{16} + 198358223704920 z^{14}$ $+7062042757770 z^{12} + 172572620220 z^{10} + 2723835114 z^8 + 25351704 z^6$ $+130221 z^4 + 546 z^2 + 1$	$\{[42, \sqrt{21}]\}$
$\{[84, 2, 79]\}$	$x^5 + x^4 + x^3 + 1$	$z^{84} + 210 z^{82} + 120477 z^{80} + 25407032 z^{78} + 2724694266 z^{76} + 172563929244 z^{74}$ $+7062058392858 z^{72} + 198358382151288 z^{70} + 3991962961648809 z^{68}$ $+59435890808637546 z^{66} + 670999932439790877 z^{64}$ $+5855999390418018912 z^{62} + 40122082826087329816 z^{60}$ $+218511035608971028560 z^{58} + 955552227296218104024 z^{56}$ $+3382874551599557878752 z^{54} + 9759865894067464882434 z^{52}$ $+23068773931216852923588 z^{50} + 44855949310828198194330 z^{48}$ $+71973699605423039546640 z^{46} + 95503562937850493680380 z^{44}$ $+104931905388336054633000 z^{42} + 95503562937850493680380 z^{40}$ $+71973699605423039546640 z^{38} + 44855949310828198194330 z^{36}$ $+23068773931216852923588 z^{34} + 9759865894067464882434 z^{32}$ $+3382874551599557878752 z^{30} + 955552227296218104024 z^{28}$ $+218511035608971028560 z^{26} + 40122082826087329816 z^{24}$ $+5855999390418018912 z^{22} + 670999932439790877 z^{20}$ $+59435890808637546 z^{18} + 3991962961648809 z^{16} + 198358382151288 z^{14}$ $+7062058392858 z^{12} + 172563929244 z^{10} + 2724694266 z^8 + 25407032 z^6$ $+120477 z^4 + 210 z^2 + 1$	$\{[42, \sqrt{21}]\}$
		$z^{84} + 126 z^{82} + 2688 z^{81} + 61341 z^{80} + 964992 z^{79} + 12697608 z^{78} + 141552768 z^{77}$	



$\{[84, 2, 79]\}$  $x^5 + x^4 + 1$ 

$$\begin{aligned} &+ 1362254586 z^{76} + 11504504704 z^{75} + 86282949060 z^{74} + 580439051136 z^{73} \\ &+ 3531026568986 z^{72} + 19556486877312 z^{71} + 99179182396872 z^{70} \\ &+ 462836192241024 z^{69} + 1995981552489897 z^{68} + 7983925797617280 z^{67} \\ &+ 29717945322481318 z^{66} + 103230758774094336 z^{65} \\ &+ 335499965267018013 z^{64} + 1022476084068505088 z^{63} \\ &+ 2927999701210602144 z^{62} + 7892868749626581504 z^{61} \\ &+ 20061041394151305240 z^{60} + 48146499388781219328 z^{59} \\ &+ 109255517842027981872 z^{58} + 234697038232163300864 z^{57} \\ &+ 477776113602162192600 z^{56} + 922602150529662220800 z^{55} \\ &+ 1691437275822822796576 z^{54} + 2946374609434763189760 z^{53} \\ &+ 4879932947053697860866 z^{52} + 7689591310395894133248 z^{51} \\ &+ 11534386965601726778076 z^{50} + 16477695665428910918400 z^{49} \\ &+ 22427974655247557075610 z^{48} + 29095750903880046193920 z^{47} \\ &+ 35986849803226622386800 z^{46} + 42446027972846014621440 z^{45} \\ &+ 47751781468038034964220 z^{44} + 51245814259189379047680 z^{43} \\ &+ 52465952695217247952920 z^{42} + 51245814259189379047680 z^{41} \\ &+ 47751781468038034964220 z^{40} + 42446027972846014621440 z^{39} \\ &+ 35986849803226622386800 z^{38} + 29095750903880046193920 z^{37} \\ &+ 22427974655247557075610 z^{36} + 16477695665428910918400 z^{35} \\ &+ 11534386965601726778076 z^{34} + 7689591310395894133248 z^{33} \\ &+ 4879932947053697860866 z^{32} + 2946374609434763189760 z^{31} \\ &+ 1691437275822822796576 z^{30} + 922602150529662220800 z^{29} \\ &+ 477776113602162192600 z^{28} + 234697038232163300864 z^{27} \\ &+ 109255517842027981872 z^{26} + 48146499388781219328 z^{25} \\ &+ 20061041394151305240 z^{24} + 7892868749626581504 z^{23} \\ &+ 2927999701210602144 z^{22} + 1022476084068505088 z^{21} \\ &+ 335499965267018013 z^{20} + 103230758774094336 z^{19} \\ &+ 29717945322481318 z^{18} + 7983925797617280 z^{17} \\ &+ 1995981552489897 z^{16} + 462836192241024 z^{15} + 99179182396872 z^{14} \\ &+ 19556486877312 z^{13} + 3531026568986 z^{12} + 580439051136 z^{11} \\ &+ 86282949060 z^{10} + 11504504704 z^9 + 1362254586 z^8 + 141552768 z^7 \end{aligned}$$

 $\{[42, \sqrt{21}]\}$

		$+12697608 z^6 + 964992 z^5 + 61341 z^4 + 2688 z^3 + 126 z^2 + 1$	
$\{[85, 2, 80]\}$	$x^5 + 1$	$1419857 z^{80} + 283971400 z^{78} + 25301851740 z^{76} + 1330292420440 z^{74}$ $+ 46172769938670 z^{72} + 1124105273648120 z^{70} + 19959970178223900 z^{68}$ $+ 265896449155245800 z^{66} + 2715950397214218285 z^{64}$ $+ 21641745597675515680 z^{62} + 136415088145903054128 z^{60}$ $+ 687905060796909532000 z^{58} + 2800756538329576416040 z^{56}$ $+ 9275623945635665919840 z^{54} + 25139048346815878407280 z^{52}$ $+ 56024164970908325136928 z^{50} + 103047451668104631429490 z^{48}$ $+ 156865755647698919725680 z^{46} + 197995190638302759361800 z^{44}$ $+ 207423534289438823941200 z^{42} + 180395619454052601335380 z^{40}$ $+ 130165200821888776124560 z^{38} + 77811340528981641470920 z^{36}$ $+ 38447956922593781570480 z^{34} + 15652615036596619322450 z^{32}$ $+ 5228078735089550675616 z^{30} + 1424946356382108926960 z^{28}$ $+ 314804053901783828960 z^{26} + 55907806486159193640 z^{24}$ $+ 7900949787679428320 z^{22} + 877463388333619120 z^{20}$ $+ 75403892459837600 z^{18} + 4917481445883325 z^{16} + 237452548481160 z^{14}$ $+ 8228097344380 z^{12} + 196894844696 z^{10} + 3121552750 z^8 + 31690040 z^6$ $+ 196860 z^4 + 680 z^2 + 1$	$\left\{ \left[ \frac{85}{2}, \frac{\sqrt{85}}{2} \right] \right\}$
$\{[88, 2, 83]\}$	$x^5 + x^4 + x + 1$	$z^{88} + 440 z^{86} + 175186 z^{84} + 34933976 z^{82} + 4030361159 z^{80} + 282106148016 z^{78}$ $+ 12835133042732 z^{76} + 401998347522992 z^{74} + 9048332074174195 z^{72}$ $+ 151160103044446584 z^{70} + 1921324552323980650 z^{68}$ $+ 18947090123631719896 z^{66} + 147251838198665922293 z^{64}$ $+ 913414472803047535936 z^{62} + 4569488830539567768592 z^{60}$ $+ 18593092468879807835968 z^{58} + 61964479478100491973274 z^{56}$ $+ 170098571232326964041584 z^{54} + 386366754640772262318148 z^{52}$ $+ 728765741845289294772912 z^{50} + 1144535940962754045661494 z^{48}$ $+ 1499461720555253047198496 z^{46} + 1640531586190737554580360 z^{44}$ $+ 1499461720555253047198496 z^{42} + 1144535940962754045661494 z^{40}$ $+ 728765741845289294772912 z^{38} + 386366754640772262318148 z^{36}$ $+ 170098571232326964041584 z^{34} + 61964479478100491973274 z^{32}$ $+ 18593092468879807835968 z^{30} + 4569488830539567768592 z^{28}$	$\{[44, \sqrt{22}]\}$

		$+913414472803047535936 z^{26} + 147251838198665922293 z^{24}$ $+18947090123631719896 z^{22} + 1921324552323980650 z^{20}$ $+151160103044446584 z^{18} + 9048332074174195 z^{16}$ $+401998347522992 z^{14} + 12835133042732 z^{12} + 282106148016 z^{10}$ $+4030361159 z^8 + 34933976 z^6 + 175186 z^4 + 440 z^2 + 1$	
$\{[90, 2, 85]\}$	$x^5 + 1$	$z^{90} + 765 z^{88} + 249390 z^{86} + 45272190 z^{84} + 5039513235 z^{82} + 360319747743 z^{80}$ $+ 17134648784580 z^{78} + 564901198846020 z^{76} + 13416263591360715 z^{74}$ $+ 236852587381172495 z^{72} + 3186302226264290790 z^{70}$ $+ 33311284181904400470 z^{68} + 274938692375213992065 z^{66}$ $+ 1814595717484406085525 z^{64} + 9677844171814123059120 z^{62}$ $+ 42070810708794532323504 z^{60} + 150131723380906173135930 z^{58}$ $+ 442366740185995867658130 z^{56} + 1081340918528532826590460 z^{54}$ $+ 2201136342985576538127900 z^{52} + 3741931790680177155636558 z^{50}$ $+ 5323886700204539008115910 z^{48} + 6348143960140210556935320 z^{46}$ $+ 6348143960140210556935320 z^{44} + 5323886700204539008115910 z^{42}$ $+ 3741931790680177155636558 z^{40} + 2201136342985576538127900 z^{38}$ $+ 1081340918528532826590460 z^{36} + 442366740185995867658130 z^{34}$ $+ 150131723380906173135930 z^{32} + 42070810708794532323504 z^{30}$ $+ 9677844171814123059120 z^{28} + 1814595717484406085525 z^{26}$ $+ 274938692375213992065 z^{24} + 33311284181904400470 z^{22}$ $+ 3186302226264290790 z^{20} + 236852587381172495 z^{18}$ $+ 13416263591360715 z^{16} + 564901198846020 z^{14} + 17134648784580 z^{12}$ $+ 360319747743 z^{10} + 5039513235 z^8 + 45272190 z^6 + 249390 z^4 + 765 z^2 + 1$	$\left\{ \left[ 45, \frac{3\sqrt{10}}{2} \right] \right\}$
		$z^{90} + 225 z^{88} + 159930 z^{86} + 38914170 z^{84} + 4844675655 z^{82} + 357540958503 z^{80}$ $+ 17118592741020 z^{78} + 564913777957020 z^{76} + 13416701161017555 z^{74}$ $+ 236853009786598515 z^{72} + 3186296264099940210 z^{70}$ $+ 33311279169244485810 z^{68} + 274938746070357522645 z^{66}$ $+ 1814595724332182850165 z^{64} + 9677843862559086027600 z^{62}$ $+ 42070810906963612098384 z^{60} + 150131724404307363242010 z^{58}$ $+ 442366738755072256517850 z^{56} + 1081340916953973294213780 z^{54}$ $+ 2201136347316304297369620 z^{52} + 3741931790434730440738998 z^{50}$	

$\{[90, 2, 85]\}$	$x^5 + x^3 + x + 1$	$+5323886693710235840344950 z^{48} + 6348143964591978976924200 z^{46}$ $+ 6348143964591978976924200 z^{44} + 5323886693710235840344950 z^{42}$ $+ 3741931790434730440738998 z^{40} + 2201136347316304297369620 z^{38}$ $+ 1081340916953973294213780 z^{36} + 442366738755072256517850 z^{34}$ $+ 150131724404307363242010 z^{32} + 42070810906963612098384 z^{30}$ $+ 9677843862559086027600 z^{28} + 1814595724332182850165 z^{26}$ $+ 274938746070357522645 z^{24} + 33311279169244485810 z^{22}$ $+ 3186296264099940210 z^{20} + 236853009786598515 z^{18}$ $+ 13416701161017555 z^{16} + 564913777957020 z^{14} + 17118592741020 z^{12}$ $+ 357540958503 z^{10} + 4844675655 z^8 + 38914170 z^6 + 159930 z^4 + 225 z^2 + 1$	$\left\{ \left[ 45, \frac{3\sqrt{10}}{2} \right] \right\}$
$\{[90, 2, 85]\}$	$x^5 + x^4 + x^3 + x^2 + x + 1$	$z^{90} + 630 z^{88} + 173565 z^{86} + 38872905 z^{84} + 4843053360 z^{82} + 357552777393 z^{80}$ $+ 17118607668930 z^{78} + 564913254414690 z^{76} + 13416703794395325 z^{74}$ $+ 236853005578277400 z^{72} + 3186296248371198885 z^{70}$ $+ 33311279277468794025 z^{68} + 274938745796649508950 z^{66}$ $+ 1814595724527257714445 z^{64} + 9677843863545696962040 z^{62}$ $+ 42070810902884017737144 z^{60} + 150131724412283106508530 z^{58}$ $+ 442366738746920511035940 z^{56} + 1081340916952966857278970 z^{54}$ $+ 2201136347335750036824690 z^{52} + 3741931790398036961007048 z^{50}$ $+ 5323886693747727765052050 z^{48} + 6348143964575998426041900 z^{46}$ $+ 6348143964575998426041900 z^{44} + 5323886693747727765052050 z^{42}$ $+ 3741931790398036961007048 z^{40} + 2201136347335750036824690 z^{38}$ $+ 1081340916952966857278970 z^{36} + 442366738746920511035940 z^{34}$ $+ 150131724412283106508530 z^{32} + 42070810902884017737144 z^{30}$ $+ 9677843863545696962040 z^{28} + 1814595724527257714445 z^{26}$ $+ 274938745796649508950 z^{24} + 33311279277468794025 z^{22}$ $+ 3186296248371198885 z^{20} + 236853005578277400 z^{18}$ $+ 13416703794395325 z^{16} + 564913254414690 z^{14} + 17118607668930 z^{12}$ $+ 357552777393 z^{10} + 4843053360 z^8 + 38872905 z^6 + 173565 z^4 + 630 z^2 + 1$	$\left\{ \left[ 45, \frac{3\sqrt{10}}{2} \right] \right\}$
		$z^{90} + 225 z^{88} + 159930 z^{86} + 38914170 z^{84} + 4844675655 z^{82} + 357540958503 z^{80}$ $+ 17118592741020 z^{78} + 564913777957020 z^{76} + 13416701161017555 z^{74}$ $+ 236853009786598515 z^{72} + 3186296264099940210 z^{70}$	

$\{[90, 2, 85]\}$	$x^5 + x^4 + x^2 + 1$	$ \begin{aligned} &+33311279169244485810 z^{68} + 274938746070357522645 z^{66} \\ &+1814595724332182850165 z^{64} + 9677843862559086027600 z^{62} \\ &+42070810906963612098384 z^{60} + 150131724404307363242010 z^{58} \\ &+442366738755072256517850 z^{56} + 1081340916953973294213780 z^{54} \\ &+2201136347316304297369620 z^{52} + 3741931790434730440738998 z^{50} \\ &+5323886693710235840344950 z^{48} + 6348143964591978976924200 z^{46} \\ &+6348143964591978976924200 z^{44} + 5323886693710235840344950 z^{42} \\ &+3741931790434730440738998 z^{40} + 2201136347316304297369620 z^{38} \\ &+1081340916953973294213780 z^{36} + 442366738755072256517850 z^{34} \\ &+150131724404307363242010 z^{32} + 42070810906963612098384 z^{30} \\ &+9677843862559086027600 z^{28} + 1814595724332182850165 z^{26} \\ &+274938746070357522645 z^{24} + 33311279169244485810 z^{22} \\ &+3186296264099940210 z^{20} + 236853009786598515 z^{18} \\ &+13416701161017555 z^{16} + 564913777957020 z^{14} + 17118592741020 z^{12} \\ &+357540958503 z^{10} + 4844675655 z^8 + 38914170 z^6 + 159930 z^4 + 225 z^2 + 1 \end{aligned} $	$ \left\{ \left[ 45, \frac{3\sqrt{10}}{2} \right] \right\} $
		$ \begin{aligned} &z^{93} + 93 z^{91} + 4185 z^{90} + 92070 z^{89} + 1621269 z^{88} + 23809302 z^{87} + 296090982 z^{86} \\ &+ 3182648139 z^{85} + 30056950550 z^{84} + 252481155927 z^{83} \\ &+ 1905094155363 z^{82} + 13018124457716 z^{81} + 81112879785231 z^{80} \\ &+ 463502278414260 z^{79} + 2441112230502708 z^{78} + 11900421596162619 z^{77} \\ &+ 53901908651669364 z^{76} + 227585838756653663 z^{75} \\ &+ 898365156269249955 z^{74} + 3323951069954907678 z^{73} \\ &+ 11554687042496857831 z^{72} + 37815339438779481774 z^{71} \\ &+ 116734308730463530782 z^{70} + 340475067051851513145 z^{69} \\ &+ 939711184993883112174 z^{68} + 2457706176343592910477 z^{67} \\ &+ 6098752363671689645217 z^{66} + 14375630571026870060784 z^{65} \\ &+ 32221240934759210249685 z^{64} + 68738647328520917476080 z^{63} \\ &+ 139694670377850691529712 z^{62} + 270658423855081172927610 z^{61} \\ &+ 500307995610057210964464 z^{60} + 882896462844814858015890 z^{59} \\ &+ 1488311180225329307021802 z^{58} + 2397834679246220251303916 z^{57} \\ &+ 3693961532891285471525826 z^{56} + 5443732785321872129513292 z^{55} \\ &+ 7677059056224875834555500 z^{54} + 10364029725892243992526782 z^{53} \end{aligned} $	

{[93, 2, 88]}	$x^5 + x^2 + 1$	$ \begin{aligned} &+13397404279810265885345868 z^{52} + 16587262441683891000294966 z^{51} \\ &+19673264756417083558432686 z^{50} + 22355982677730733589820600 z^{49} \\ &+24343181137972756474603110 z^{48} + 25401580317901261300839480 z^{47} \\ &+25401580317901261300839480 z^{46} + 24343181137972756474603110 z^{45} \\ &+22355982677730733589820600 z^{44} + 19673264756417083558432686 z^{43} \\ &+16587262441683891000294966 z^{42} + 13397404279810265885345868 z^{41} \\ &+10364029725892243992526782 z^{40} + 7677059056224875834555500 z^{39} \\ &+5443732785321872129513292 z^{38} + 3693961532891285471525826 z^{37} \\ &+2397834679246220251303916 z^{36} + 1488311180225329307021802 z^{35} \\ &+882896462844814858015890 z^{34} + 500307995610057210964464 z^{33} \\ &+270658423855081172927610 z^{32} + 139694670377850691529712 z^{31} \\ &+68738647328520917476080 z^{30} + 32221240934759210249685 z^{29} \\ &+14375630571026870060784 z^{28} + 6098752363671689645217 z^{27} \\ &+2457706176343592910477 z^{26} + 939711184993883112174 z^{25} \\ &+340475067051851513145 z^{24} + 116734308730463530782 z^{23} \\ &+37815339438779481774 z^{22} + 11554687042496857831 z^{21} \\ &+3323951069954907678 z^{20} + 898365156269249955 z^{19} \\ &+227585838756653663 z^{18} + 53901908651669364 z^{17} \\ &+11900421596162619 z^{16} + 2441112230502708 z^{15} + 463502278414260 z^{14} \\ &+81112879785231 z^{13} + 13018124457716 z^{12} + 1905094155363 z^{11} \\ &+252481155927 z^{10} + 30056950550 z^9 + 3182648139 z^8 + 296090982 z^7 \\ &+23809302 z^6 + 1621269 z^5 + 92070 z^4 + 4185 z^3 + 93 z^2 + 1 \end{aligned} $	$ \left\{ \left[ \frac{93}{2}, \frac{\sqrt{93}}{2} \right] \right\} $
		$ \begin{aligned} &z^{93} + 93 z^{91} + 4185 z^{90} + 92070 z^{89} + 1621269 z^{88} + 23809302 z^{87} + 296090982 z^{86} \\ &+ 3182648139 z^{85} + 30056950550 z^{84} + 252481155927 z^{83} \\ &+ 1905094155363 z^{82} + 13018124457716 z^{81} + 81112879785231 z^{80} \\ &+ 463502278414260 z^{79} + 2441112230502708 z^{78} + 11900421596162619 z^{77} \\ &+ 53901908651669364 z^{76} + 227585838756653663 z^{75} \\ &+ 898365156269249955 z^{74} + 3323951069954907678 z^{73} \\ &+ 11554687042496857831 z^{72} + 37815339438779481774 z^{71} \\ &+ 116734308730463530782 z^{70} + 340475067051851513145 z^{69} \\ &+ 939711184993883112174 z^{68} + 2457706176343592910477 z^{67} \end{aligned} $	

{[93, 2, 88]}	$x^5 + x^3 + 1$	$ \begin{aligned} &+6098752363671689645217 z^{66} + 14375630571026870060784 z^{65} \\ &+32221240934759210249685 z^{64} + 68738647328520917476080 z^{63} \\ &+139694670377850691529712 z^{62} + 270658423855081172927610 z^{61} \\ &+500307995610057210964464 z^{60} + 882896462844814858015890 z^{59} \\ &+1488311180225329307021802 z^{58} + 2397834679246220251303916 z^{57} \\ &+3693961532891285471525826 z^{56} + 5443732785321872129513292 z^{55} \\ &+7677059056224875834555500 z^{54} + 10364029725892243992526782 z^{53} \\ &+13397404279810265885345868 z^{52} + 16587262441683891000294966 z^{51} \\ &+19673264756417083558432686 z^{50} + 22355982677730733589820600 z^{49} \\ &+24343181137972756474603110 z^{48} + 25401580317901261300839480 z^{47} \\ &+25401580317901261300839480 z^{46} + 24343181137972756474603110 z^{45} \\ &+22355982677730733589820600 z^{44} + 19673264756417083558432686 z^{43} \\ &+16587262441683891000294966 z^{42} + 13397404279810265885345868 z^{41} \\ &+10364029725892243992526782 z^{40} + 7677059056224875834555500 z^{39} \\ &+5443732785321872129513292 z^{38} + 3693961532891285471525826 z^{37} \\ &+2397834679246220251303916 z^{36} + 1488311180225329307021802 z^{35} \\ &+882896462844814858015890 z^{34} + 500307995610057210964464 z^{33} \\ &+270658423855081172927610 z^{32} + 139694670377850691529712 z^{31} \\ &+68738647328520917476080 z^{30} + 32221240934759210249685 z^{29} \\ &+14375630571026870060784 z^{28} + 6098752363671689645217 z^{27} \\ &+2457706176343592910477 z^{26} + 939711184993883112174 z^{25} \\ &+340475067051851513145 z^{24} + 116734308730463530782 z^{23} \\ &+37815339438779481774 z^{22} + 11554687042496857831 z^{21} \\ &+3323951069954907678 z^{20} + 898365156269249955 z^{19} \\ &+227585838756653663 z^{18} + 53901908651669364 z^{17} \\ &+11900421596162619 z^{16} + 2441112230502708 z^{15} + 463502278414260 z^{14} \\ &+81112879785231 z^{13} + 13018124457716 z^{12} + 1905094155363 z^{11} \\ &+252481155927 z^{10} + 30056950550 z^9 + 3182648139 z^8 + 296090982 z^7 \\ &+23809302 z^6 + 1621269 z^5 + 92070 z^4 + 4185 z^3 + 93 z^2 + 1 \end{aligned} $	$ \left\{ \left[ \frac{93}{2}, \frac{\sqrt{93}}{2} \right] \right\} $
		$ \begin{aligned} &z^{93} + 93 z^{91} + 4185 z^{90} + 92070 z^{89} + 1621269 z^{88} + 23809302 z^{87} + 296090982 z^{86} \\ &+ 3182648139 z^{85} + 30056950550 z^{84} + 252481155927 z^{83} \end{aligned} $	

$\{[93, 2, 88]\}$  $x^5 + x^3 + x^2 + x + 1$ 

$$\begin{aligned} &+ 1905094155363 z^{82} + 13018124457716 z^{81} + 81112879785231 z^{80} \\ &+ 463502278414260 z^{79} + 2441112230502708 z^{78} + 11900421596162619 z^{77} \\ &+ 53901908651669364 z^{76} + 227585838756653663 z^{75} \\ &+ 898365156269249955 z^{74} + 3323951069954907678 z^{73} \\ &+ 11554687042496857831 z^{72} + 37815339438779481774 z^{71} \\ &+ 116734308730463530782 z^{70} + 340475067051851513145 z^{69} \\ &+ 939711184993883112174 z^{68} + 2457706176343592910477 z^{67} \\ &+ 6098752363671689645217 z^{66} + 14375630571026870060784 z^{65} \\ &+ 32221240934759210249685 z^{64} + 68738647328520917476080 z^{63} \\ &+ 139694670377850691529712 z^{62} + 270658423855081172927610 z^{61} \\ &+ 500307995610057210964464 z^{60} + 882896462844814858015890 z^{59} \\ &+ 1488311180225329307021802 z^{58} + 2397834679246220251303916 z^{57} \\ &+ 3693961532891285471525826 z^{56} + 5443732785321872129513292 z^{55} \\ &+ 7677059056224875834555500 z^{54} + 10364029725892243992526782 z^{53} \\ &+ 13397404279810265885345868 z^{52} + 16587262441683891000294966 z^{51} \\ &+ 19673264756417083558432686 z^{50} + 22355982677730733589820600 z^{49} \\ &+ 24343181137972756474603110 z^{48} + 25401580317901261300839480 z^{47} \\ &+ 25401580317901261300839480 z^{46} + 24343181137972756474603110 z^{45} \\ &+ 22355982677730733589820600 z^{44} + 19673264756417083558432686 z^{43} \\ &+ 16587262441683891000294966 z^{42} + 13397404279810265885345868 z^{41} \\ &+ 10364029725892243992526782 z^{40} + 7677059056224875834555500 z^{39} \\ &+ 5443732785321872129513292 z^{38} + 3693961532891285471525826 z^{37} \\ &+ 2397834679246220251303916 z^{36} + 1488311180225329307021802 z^{35} \\ &+ 882896462844814858015890 z^{34} + 500307995610057210964464 z^{33} \\ &+ 270658423855081172927610 z^{32} + 139694670377850691529712 z^{31} \\ &+ 68738647328520917476080 z^{30} + 32221240934759210249685 z^{29} \\ &+ 14375630571026870060784 z^{28} + 6098752363671689645217 z^{27} \\ &+ 2457706176343592910477 z^{26} + 939711184993883112174 z^{25} \\ &+ 340475067051851513145 z^{24} + 116734308730463530782 z^{23} \\ &+ 37815339438779481774 z^{22} + 11554687042496857831 z^{21} \\ &+ 3323951069954907678 z^{20} + 898365156269249955 z^{19} \end{aligned}$$

$$\left\{ \left[ \frac{93}{2}, \frac{\sqrt{93}}{2} \right] \right\}$$



		$ \begin{aligned} &+227585838756653663 z^{18}+53901908651669364 z^{17} \\ &+11900421596162619 z^{16}+2441112230502708 z^{15}+463502278414260 z^{14} \\ &+81112879785231 z^{13}+13018124457716 z^{12}+1905094155363 z^{11} \\ &+252481155927 z^{10}+30056950550 z^9+3182648139 z^8+296090982 z^7 \\ &+23809302 z^6+1621269 z^5+92070 z^4+4185 z^3+93 z^2+1 \end{aligned} $	
$\{[93, 2, 88]\}$	$x^5+x^4+x^3+x^2+1$	$ \begin{aligned} &z^{93}+93 z^{91}+4185 z^{90}+92070 z^{89}+1621269 z^{88}+23809302 z^{87}+296090982 z^{86} \\ &+3182648139 z^{85}+30056950550 z^{84}+252481155927 z^{83} \\ &+1905094155363 z^{82}+13018124457716 z^{81}+81112879785231 z^{80} \\ &+463502278414260 z^{79}+2441112230502708 z^{78}+11900421596162619 z^{77} \\ &+53901908651669364 z^{76}+227585838756653663 z^{75} \\ &+898365156269249955 z^{74}+3323951069954907678 z^{73} \\ &+11554687042496857831 z^{72}+37815339438779481774 z^{71} \\ &+116734308730463530782 z^{70}+340475067051851513145 z^{69} \\ &+939711184993883112174 z^{68}+2457706176343592910477 z^{67} \\ &+6098752363671689645217 z^{66}+14375630571026870060784 z^{65} \\ &+32221240934759210249685 z^{64}+68738647328520917476080 z^{63} \\ &+139694670377850691529712 z^{62}+270658423855081172927610 z^{61} \\ &+500307995610057210964464 z^{60}+882896462844814858015890 z^{59} \\ &+1488311180225329307021802 z^{58}+2397834679246220251303916 z^{57} \\ &+3693961532891285471525826 z^{56}+5443732785321872129513292 z^{55} \\ &+7677059056224875834555500 z^{54}+10364029725892243992526782 z^{53} \\ &+13397404279810265885345868 z^{52}+16587262441683891000294966 z^{51} \\ &+19673264756417083558432686 z^{50}+22355982677730733589820600 z^{49} \\ &+24343181137972756474603110 z^{48}+25401580317901261300839480 z^{47} \\ &+25401580317901261300839480 z^{46}+24343181137972756474603110 z^{45} \\ &+22355982677730733589820600 z^{44}+19673264756417083558432686 z^{43} \\ &+16587262441683891000294966 z^{42}+13397404279810265885345868 z^{41} \\ &+10364029725892243992526782 z^{40}+7677059056224875834555500 z^{39} \\ &+5443732785321872129513292 z^{38}+3693961532891285471525826 z^{37} \\ &+2397834679246220251303916 z^{36}+1488311180225329307021802 z^{35} \\ &+882896462844814858015890 z^{34}+500307995610057210964464 z^{33} \end{aligned} $	$ \left\{ \left[ \frac{93}{2}, \frac{\sqrt{93}}{2} \right] \right\} $

		$ \begin{aligned} &+270658423855081172927610 z^{32} + 139694670377850691529712 z^{31} \\ &+ 68738647328520917476080 z^{30} + 32221240934759210249685 z^{29} \\ &+ 14375630571026870060784 z^{28} + 6098752363671689645217 z^{27} \\ &+ 2457706176343592910477 z^{26} + 939711184993883112174 z^{25} \\ &+ 340475067051851513145 z^{24} + 116734308730463530782 z^{23} \\ &+ 37815339438779481774 z^{22} + 11554687042496857831 z^{21} \\ &+ 3323951069954907678 z^{20} + 898365156269249955 z^{19} \\ &+ 227585838756653663 z^{18} + 53901908651669364 z^{17} \\ &+ 11900421596162619 z^{16} + 2441112230502708 z^{15} + 463502278414260 z^{14} \\ &+ 81112879785231 z^{13} + 13018124457716 z^{12} + 1905094155363 z^{11} \\ &+ 252481155927 z^{10} + 30056950550 z^9 + 3182648139 z^8 + 296090982 z^7 \\ &+ 23809302 z^6 + 1621269 z^5 + 92070 z^4 + 4185 z^3 + 93 z^2 + 1 \end{aligned} $
{[93, 2, 88]}	$x^5 + x^4 + x^3 + x + 1$	$ \begin{aligned} &z^{93} + 93 z^{91} + 4185 z^{90} + 92070 z^{89} + 1621269 z^{88} + 23809302 z^{87} + 296090982 z^{86} \\ &+ 3182648139 z^{85} + 30056950550 z^{84} + 252481155927 z^{83} \\ &+ 1905094155363 z^{82} + 13018124457716 z^{81} + 81112879785231 z^{80} \\ &+ 463502278414260 z^{79} + 2441112230502708 z^{78} + 11900421596162619 z^{77} \\ &+ 53901908651669364 z^{76} + 227585838756653663 z^{75} \\ &+ 898365156269249955 z^{74} + 3323951069954907678 z^{73} \\ &+ 11554687042496857831 z^{72} + 37815339438779481774 z^{71} \\ &+ 116734308730463530782 z^{70} + 340475067051851513145 z^{69} \\ &+ 939711184993883112174 z^{68} + 2457706176343592910477 z^{67} \\ &+ 6098752363671689645217 z^{66} + 14375630571026870060784 z^{65} \\ &+ 32221240934759210249685 z^{64} + 68738647328520917476080 z^{63} \\ &+ 139694670377850691529712 z^{62} + 270658423855081172927610 z^{61} \\ &+ 500307995610057210964464 z^{60} + 882896462844814858015890 z^{59} \\ &+ 1488311180225329307021802 z^{58} + 2397834679246220251303916 z^{57} \\ &+ 3693961532891285471525826 z^{56} + 5443732785321872129513292 z^{55} \\ &+ 7677059056224875834555500 z^{54} + 10364029725892243992526782 z^{53} \\ &+ 13397404279810265885345868 z^{52} + 16587262441683891000294966 z^{51} \\ &+ 19673264756417083558432686 z^{50} + 22355982677730733589820600 z^{49} \\ &+ 24343181137972756474603110 z^{48} + 25401580317901261300839480 z^{47} \end{aligned} $

		$ \begin{aligned} &+25401580317901261300839480 z^{46}+24343181137972756474603110 z^{45} \\ &+22355982677730733589820600 z^{44}+19673264756417083558432686 z^{43} \\ &+16587262441683891000294966 z^{42}+13397404279810265885345868 z^{41} \\ &+10364029725892243992526782 z^{40}+7677059056224875834555500 z^{39} \\ &+5443732785321872129513292 z^{38}+3693961532891285471525826 z^{37} \\ &+2397834679246220251303916 z^{36}+1488311180225329307021802 z^{35} \\ &+882896462844814858015890 z^{34}+500307995610057210964464 z^{33} \\ &+270658423855081172927610 z^{32}+139694670377850691529712 z^{31} \\ &+68738647328520917476080 z^{30}+32221240934759210249685 z^{29} \\ &+14375630571026870060784 z^{28}+6098752363671689645217 z^{27} \\ &+2457706176343592910477 z^{26}+939711184993883112174 z^{25} \\ &+340475067051851513145 z^{24}+116734308730463530782 z^{23} \\ &+37815339438779481774 z^{22}+11554687042496857831 z^{21} \\ &+3323951069954907678 z^{20}+898365156269249955 z^{19} \\ &+227585838756653663 z^{18}+53901908651669364 z^{17} \\ &+11900421596162619 z^{16}+2441112230502708 z^{15}+463502278414260 z^{14} \\ &+81112879785231 z^{13}+13018124457716 z^{12}+1905094155363 z^{11} \\ &+252481155927 z^{10}+30056950550 z^9+3182648139 z^8+296090982 z^7 \\ &+23809302 z^6+1621269 z^5+92070 z^4+4185 z^3+93 z^2+1 \end{aligned} $	$ \left\{ \left[ \frac{93}{2}, \frac{\sqrt{93}}{2} \right] \right\} $
		$ \begin{aligned} &z^{93}+93 z^{91}+4185 z^{90}+92070 z^{89}+1621269 z^{88}+23809302 z^{87}+296090982 z^{86} \\ &+3182648139 z^{85}+30056950550 z^{84}+252481155927 z^{83} \\ &+1905094155363 z^{82}+13018124457716 z^{81}+81112879785231 z^{80} \\ &+463502278414260 z^{79}+2441112230502708 z^{78}+11900421596162619 z^{77} \\ &+53901908651669364 z^{76}+227585838756653663 z^{75} \\ &+898365156269249955 z^{74}+3323951069954907678 z^{73} \\ &+11554687042496857831 z^{72}+37815339438779481774 z^{71} \\ &+116734308730463530782 z^{70}+340475067051851513145 z^{69} \\ &+939711184993883112174 z^{68}+2457706176343592910477 z^{67} \\ &+6098752363671689645217 z^{66}+14375630571026870060784 z^{65} \\ &+32221240934759210249685 z^{64}+68738647328520917476080 z^{63} \end{aligned} $	

$\{[93, 2, 88]\}$	$x^5 + x^4 + x^2 + x + 1$	$+139694670377850691529712 z^{62} + 270658423855081172927610 z^{61}$ $+500307995610057210964464 z^{60} + 882896462844814858015890 z^{59}$ $+1488311180225329307021802 z^{58} + 2397834679246220251303916 z^{57}$ $+3693961532891285471525826 z^{56} + 5443732785321872129513292 z^{55}$ $+7677059056224875834555500 z^{54} + 10364029725892243992526782 z^{53}$ $+13397404279810265885345868 z^{52} + 16587262441683891000294966 z^{51}$ $+19673264756417083558432686 z^{50} + 22355982677730733589820600 z^{49}$ $+24343181137972756474603110 z^{48} + 25401580317901261300839480 z^{47}$ $+25401580317901261300839480 z^{46} + 24343181137972756474603110 z^{45}$ $+22355982677730733589820600 z^{44} + 19673264756417083558432686 z^{43}$ $+16587262441683891000294966 z^{42} + 13397404279810265885345868 z^{41}$ $+10364029725892243992526782 z^{40} + 7677059056224875834555500 z^{39}$ $+5443732785321872129513292 z^{38} + 3693961532891285471525826 z^{37}$ $+2397834679246220251303916 z^{36} + 1488311180225329307021802 z^{35}$ $+882896462844814858015890 z^{34} + 500307995610057210964464 z^{33}$ $+270658423855081172927610 z^{32} + 139694670377850691529712 z^{31}$ $+68738647328520917476080 z^{30} + 32221240934759210249685 z^{29}$ $+14375630571026870060784 z^{28} + 6098752363671689645217 z^{27}$ $+2457706176343592910477 z^{26} + 939711184993883112174 z^{25}$ $+340475067051851513145 z^{24} + 116734308730463530782 z^{23}$ $+37815339438779481774 z^{22} + 11554687042496857831 z^{21}$ $+3323951069954907678 z^{20} + 898365156269249955 z^{19}$ $+227585838756653663 z^{18} + 53901908651669364 z^{17}$ $+11900421596162619 z^{16} + 2441112230502708 z^{15} + 463502278414260 z^{14}$ $+81112879785231 z^{13} + 13018124457716 z^{12} + 1905094155363 z^{11}$ $+252481155927 z^{10} + 30056950550 z^9 + 3182648139 z^8 + 296090982 z^7$ $+23809302 z^6 + 1621269 z^5 + 92070 z^4 + 4185 z^3 + 93 z^2 + 1$	$\left\{ \left[ \frac{93}{2}, \frac{\sqrt{93}}{2} \right] \right\}$
		$2476099 z^{90} + 631405245 z^{88} + 71980197930 z^{86} + 4863083196990 z^{84}$ $+218033281240345 z^{82} + 6898661852953119 z^{80}$ $+160290129162538380 z^{78} + 2814877251902457540 z^{76}$ $+38201874234503613025 z^{74} + 407839348719724103375 z^{72}$	

{[95, 2, 90]}	$x^5 + 1$	$ \begin{aligned} &+3474791565991954839378 z^{70} + 23907751654013458542870 z^{68} \\ &+134142507129497139209315 z^{66} + 618786413937847547546005 z^{64} \\ &+2362639032970526369483280 z^{62} + 7508824191882102073441968 z^{60} \\ &+19955884136170920611935790 z^{58} + 44516972351582591369402130 z^{56} \\ &+83605045566156735648112180 z^{54} \\ &+132490387791131205351185820 z^{52} \\ &+177456822545483731271252138 z^{50} \\ &+201095844213714359877636550 z^{48} \\ &+192887850478014800118659400 z^{46} \\ &+156579549272165880630047640 z^{44} \\ &+107492201499644561176095570 z^{42} \\ &+62323761222647846877943502 z^{40} + 30458981045930188333317780 z^{38} \\ &+12514707021417445715245180 z^{36} + 4308341756632462121875830 z^{34} \\ &+1237572818407311060434490 z^{32} + 295113520479966208404752 z^{30} \\ &+58061684017198312895920 z^{28} + 9355206916529961254655 z^{26} \\ &+1223517912317524322625 z^{24} + 128497374213261142050 z^{22} \\ &+10696547420773908646 z^{20} + 694576952172589325 z^{18} \\ &+34491295583462475 z^{16} + 1277547233299980 z^{14} + 34203994346820 z^{12} \\ &+637060674781 z^{10} + 7918726995 z^8 + 63393690 z^6 + 311790 z^4 + 855 z^2 + 1 \end{aligned} $	$\left\{ \left[ \frac{95}{2}, \frac{\sqrt{95}}{2} \right] \right\}$
		$ \begin{aligned} &z^{96} + 336 z^{94} + 212328 z^{92} + 57926896 z^{90} + 8287134228 z^{88} + 704997245136 z^{86} \\ &+ 39041814720152 z^{84} + 1495600645154544 z^{82} + 41390756346322818 z^{80} \\ &+ 854867885865404592 z^{78} + 13511411904437740152 z^{76} \\ &+ 166699237955596825104 z^{74} + 1631357397008273922756 z^{72} \\ &+ 12829998482560155882672 z^{70} + 81969434752653672035208 z^{68} \\ &+ 429256028417288786917008 z^{66} + 1856359235819720978317551 z^{64} \\ &+ 6670980783240424708308768 z^{62} + 20023531208112404727638928 z^{60} \\ &+ 50414865203964990875579232 z^{58} \\ &+ 106840733566784618583883560 z^{56} \\ &+ 191097247030086757211545632 z^{54} \\ &+ 289069937103672655931904624 z^{52} \\ &+ 370344673042825599804594528 z^{50} \end{aligned} $	

$\{[96, 2, 91]\}$	$x^5 + x^3 + x^2 + 1$	$+402191688366759466279814940 z^{48}$ $+370344673042825599804594528 z^{46}$ $+289069937103672655931904624 z^{44}$ $+191097247030086757211545632 z^{42}$ $+106840733566784618583883560 z^{40}$ $+50414865203964990875579232 z^{38} + 20023531208112404727638928 z^{36}$ $+6670980783240424708308768 z^{34} + 1856359235819720978317551 z^{32}$ $+429256028417288786917008 z^{30} + 81969434752653672035208 z^{28}$ $+12829998482560155882672 z^{26} + 1631357397008273922756 z^{24}$ $+166699237955596825104 z^{22} + 13511411904437740152 z^{20}$ $+854867885865404592 z^{18} + 41390756346322818 z^{16}$ $+1495600645154544 z^{14} + 39041814720152 z^{12} + 704997245136 z^{10}$ $+8287134228 z^8 + 57926896 z^6 + 212328 z^4 + 336 z^2 + 1$	$\{[48, 2\sqrt{6}]\}$
$\{[96, 2, 91]\}$	$x^5 + x^4 + x^3 + x^2 + x + 1$	$z^{96} + 720 z^{94} + 226920 z^{92} + 57937264 z^{90} + 8284687380 z^{88} + 705011032656 z^{86}$ $+ 39041863949720 z^{84} + 1495599848868720 z^{82} + 41390759219420034 z^{80}$ $+ 854867888773377840 z^{78} + 13511411838877261176 z^{76}$ $+ 166699238228371098000 z^{74} + 1631357396503424482500 z^{72}$ $+ 12829998482338983878448 z^{70} + 81969434756664835948680 z^{68}$ $+ 429256028405664109846032 z^{66} + 1856359235835982605684975 z^{64}$ $+ 6670980783240500245831200 z^{62} + 20023531208057583327147408 z^{60}$ $+ 50414865204101038146115680 z^{58}$ $+ 106840733566599848787145512 z^{56}$ $+ 191097247030214157352914720 z^{54}$ $+ 289069937103721437077854320 z^{52}$ $+ 370344673042573647804483168 z^{50}$ $+ 402191688367101675779862300 z^{48}$ $+ 370344673042573647804483168 z^{46}$ $+ 289069937103721437077854320 z^{44}$ $+ 191097247030214157352914720 z^{42}$ $+ 106840733566599848787145512 z^{40}$ $+ 50414865204101038146115680 z^{38} + 20023531208057583327147408 z^{36}$	$\{[48, 2\sqrt{6}]\}$

		$ \begin{aligned} &+6670980783240500245831200 z^{34}+1856359235835982605684975 z^{32} \\ &+429256028405664109846032 z^{30}+81969434756664835948680 z^{28} \\ &+12829998482338983878448 z^{26}+1631357396503424482500 z^{24} \\ &+166699238228371098000 z^{22}+13511411838877261176 z^{20} \\ &+854867888773377840 z^{18}+41390759219420034 z^{16} \\ &+1495599848868720 z^{14}+39041863949720 z^{12}+705011032656 z^{10} \\ &+8284687380 z^8+57937264 z^6+226920 z^4+720 z^2+1 \end{aligned} $	
$\{[96, 2, 91]\}$	$x^5+x^4+x+1$	$ \begin{aligned} &z^{96}+528 z^{94}+250344 z^{92}+59906352 z^{90}+8321263380 z^{88}+705116574096 z^{86} \\ &+39040304827928 z^{84}+1495594371922224 z^{82}+41390801329356162 z^{80} \\ &+854867973764340720 z^{78}+13511411018265135096 z^{76} \\ &+166699238368815177168 z^{74}+1631357405516864912324 z^{72} \\ &+12829998462582115580400 z^{70}+81969434732769779290632 z^{68} \\ &+429256028566457691081296 z^{66}+1856359235643417940732143 z^{64} \\ &+6670980782972149413154464 z^{62}+20023531209102837231108240 z^{60} \\ &+50414865203188381948265952 z^{58} \\ &+106840733565657382452336936 z^{56} \\ &+191097247033034405161908128 z^{54} \\ &+289069937101897794533426544 z^{52} \\ &+370344673040793150247473120 z^{50} \\ &+402191688370959838342200092 z^{48} \\ &+370344673040793150247473120 z^{46} \\ &+289069937101897794533426544 z^{44} \\ &+191097247033034405161908128 z^{42} \\ &+106840733565657382452336936 z^{40} \\ &+50414865203188381948265952 z^{38}+20023531209102837231108240 z^{36} \\ &+6670980782972149413154464 z^{34}+1856359235643417940732143 z^{32} \\ &+429256028566457691081296 z^{30}+81969434732769779290632 z^{28} \\ &+12829998462582115580400 z^{26}+1631357405516864912324 z^{24} \\ &+166699238368815177168 z^{22}+13511411018265135096 z^{20} \\ &+854867973764340720 z^{18}+41390801329356162 z^{16} \\ &+1495594371922224 z^{14}+39040304827928 z^{12}+705116574096 z^{10} \end{aligned} $	$\{[48, 2\sqrt{6}]\}$

		$+8321263380 z^8 + 59906352 z^6 + 250344 z^4 + 528 z^2 + 1$	
$\{[98, 2, 93]\}$	$x^5 + x^2 + x + 1$	$343 z^{96} + 224322 z^{94} + 65810038 z^{92} + 9835212282 z^{90} + 875351962338 z^{88}$ $+ 50770347288010 z^{86} + 2039182771086622 z^{84} + 59238259579617090 z^{82}$ $+ 1285818691164629020 z^{80} + 21385195083320212046 z^{78}$ $+ 278007536060879000922 z^{76} + 2870729991945079336982 z^{74}$ $+ 23857974487067688931894 z^{72} + 161325351292569962642102 z^{70}$ $+ 895633846834417168527490 z^{68} + 4113415127186438423706622 z^{66}$ $+ 15727763721614571129116747 z^{64} + 50328843909129982688745876 z^{62}$ $+ 135379578708687102435969820 z^{60}$ $+ 307207505531165457948479428 z^{58}$ $+ 589795594242868152487966324 z^{56}$ $+ 960132362720829532956971172 z^{54}$ $+ 1327487353674999379354158828 z^{52}$ $+ 1560503750862539425155059028 z^{50}$ $+ 1560503750862602630458277904 z^{48}$ $+ 1327487353674941035997341404 z^{46}$ $+ 960132362720879232853519348 z^{44}$ $+ 589795594242829102569249900 z^{42}$ $+ 307207505531193735475825804 z^{40}$ $+ 135379578708668250751072236 z^{38}$ $+ 50328843909141536947231492 z^{36} + 15727763721608071858718588 z^{34}$ $+ 4113415127189786532699613 z^{32} + 895633846832841587824906 z^{30}$ $+ 161325351293245211514638 z^{28} + 23857974486805092148130 z^{26}$ $+ 2870729992037343071818 z^{24} + 278007536031743084658 z^{22}$ $+ 21385195091538034582 z^{20} + 1285818689110173386 z^{18}$ $+ 59238260030595156 z^{16} + 2039182685186038 z^{14} + 50770361271826 z^{12}$ $+ 875350055454 z^{10} + 9835424158 z^8 + 65791614 z^6 + 225498 z^4 + 294 z^2 + 1$	$\left\{ \left[ 49, \frac{7\sqrt{2}}{2} \right] \right\}$
		$343 z^{96} + 224322 z^{94} + 65810038 z^{92} + 9835212282 z^{90} + 875351962338 z^{88}$ $+ 50770347288010 z^{86} + 2039182771086622 z^{84} + 59238259579617090 z^{82}$ $+ 1285818691164629020 z^{80} + 21385195083320212046 z^{78}$ $+ 278007536060879000922 z^{76} + 2870729991945079336982 z^{74}$	



$\{[98, 2, 93]\}$	$x^5 + x^4 + x^3 + 1$	$ \begin{aligned} &+23857974487067688931894 z^{72} + 161325351292569962642102 z^{70} \\ &+ 895633846834417168527490 z^{68} + 4113415127186438423706622 z^{66} \\ &+ 15727763721614571129116747 z^{64} + 50328843909129982688745876 z^{62} \\ &+ 135379578708687102435969820 z^{60} \\ &+ 307207505531165457948479428 z^{58} \\ &+ 589795594242868152487966324 z^{56} \\ &+ 960132362720829532956971172 z^{54} \\ &+ 1327487353674999379354158828 z^{52} \\ &+ 1560503750862539425155059028 z^{50} \\ &+ 1560503750862602630458277904 z^{48} \\ &+ 1327487353674941035997341404 z^{46} \\ &+ 960132362720879232853519348 z^{44} \\ &+ 589795594242829102569249900 z^{42} \\ &+ 307207505531193735475825804 z^{40} \\ &+ 135379578708668250751072236 z^{38} \\ &+ 50328843909141536947231492 z^{36} + 15727763721608071858718588 z^{34} \\ &+ 4113415127189786532699613 z^{32} + 895633846832841587824906 z^{30} \\ &+ 161325351293245211514638 z^{28} + 23857974486805092148130 z^{26} \\ &+ 2870729992037343071818 z^{24} + 278007536031743084658 z^{22} \\ &+ 21385195091538034582 z^{20} + 1285818689110173386 z^{18} \\ &+ 59238260030595156 z^{16} + 2039182685186038 z^{14} + 50770361271826 z^{12} \\ &+ 875350055454 z^{10} + 9835424158 z^8 + 65791614 z^6 + 225498 z^4 + 294 z^2 + 1 \end{aligned} $	$ \left\{ \left[ 49, \frac{7\sqrt{2}}{2} \right] \right\} $
		$ \begin{aligned} &z^{100} + 950 z^{98} + 385225 z^{96} + 87194800 z^{94} + 12145843100 z^{92} \\ &+ 1092261476280 z^{90} + 65752233797900 z^{88} + 2761996962853200 z^{86} \\ &+ 84114494723349050 z^{84} + 1916519688607221100 z^{82} \\ &+ 33498975900544078490 z^{80} + 458254366268497216400 z^{78} \\ &+ 4986004570822257916700 z^{76} + 43723424348487784093400 z^{74} \\ &+ 312425858297485419160300 z^{72} + 1835771248124379423047280 z^{70} \\ &+ 8938281317890786283103575 z^{68} + 36294839330091520925999850 z^{66} \\ &+ 123575286465054429118106175 z^{64} \\ &+ 354378061684570556346053600 z^{62} \end{aligned} $	

$\{[100, 2, 95]\}$	$x^5 + 1$	$ \begin{aligned} &+ 859139633887948889725411320 z^{60} \\ &+ 1766175554573540233204652400 z^{58} \\ &+ 3086139737646302670190458200 z^{56} \\ &+ 4591937386497883414051232800 z^{54} \\ &+ 5825409929519539481574673100 z^{52} \\ &+ 6305709034702232072037324776 z^{50} \\ &+ 5825409929519539481574673100 z^{48} \\ &+ 4591937386497883414051232800 z^{46} \\ &+ 3086139737646302670190458200 z^{44} \\ &+ 1766175554573540233204652400 z^{42} \\ &+ 859139633887948889725411320 z^{40} \\ &+ 354378061684570556346053600 z^{38} \\ &+ 123575286465054429118106175 z^{36} \\ &+ 36294839330091520925999850 z^{34} + 8938281317890786283103575 z^{32} \\ &+ 1835771248124379423047280 z^{30} + 312425858297485419160300 z^{28} \\ &+ 43723424348487784093400 z^{26} + 4986004570822257916700 z^{24} \\ &+ 458254366268497216400 z^{22} + 33498975900544078490 z^{20} \\ &+ 1916519688607221100 z^{18} + 84114494723349050 z^{16} \\ &+ 2761996962853200 z^{14} + 65752233797900 z^{12} + 1092261476280 z^{10} \\ &+ 12145843100 z^8 + 87194800 z^6 + 385225 z^4 + 950 z^2 + 1 \end{aligned} $	$\{[50, 5]\}$
		$ \begin{aligned} &z^{102} + 816 z^{100} + 291720 z^{98} + 84231345 z^{96} + 13701381540 z^{94} \\ &+ 1331319310200 z^{92} + 84437145333320 z^{90} + 3716151058076100 z^{88} \\ &+ 118545286828305810 z^{86} + 2831915097392303560 z^{84} \\ &+ 51958188979615513320 z^{82} + 746983318025141318610 z^{80} \\ &+ 8552417691053092982580 z^{78} + 79024339464464265568488 z^{76} \\ &+ 595818432527618904002520 z^{74} + 3699553071675905121385620 z^{72} \\ &+ 19064632361564227661655135 z^{70} + 82069674069805431316344840 z^{68} \\ &+ 296753519889677352409402560 z^{66} \\ &+ 905457041486251812975706575 z^{64} \\ &+ 2340258199530947150222218440 z^{62} \\ &+ 5139870215231393763009395760 z^{60} \end{aligned} $	

{[102, 2, 97]}	$x^5+x^4+x^3+x^2+x+1$	$ \begin{aligned} &+9616881903764956829245185360 z^{58} \\ &+15359136026006774877027960840 z^{56} \\ &+20969033227002832028819944380 z^{54} \\ &+24495254324763005757186130896 z^{52} \\ &+24495254324763005757186130896 z^{50} \\ &+20969033227002832028819944380 z^{48} \\ &+15359136026006774877027960840 z^{46} \\ &+9616881903764956829245185360 z^{44} \\ &+5139870215231393763009395760 z^{42} \\ &+2340258199530947150222218440 z^{40} \\ &+905457041486251812975706575 z^{38} \\ &+296753519889677352409402560 z^{36} \\ &+82069674069805431316344840 z^{34}+19064632361564227661655135 z^{32} \\ &+3699553071675905121385620 z^{30}+595818432527618904002520 z^{28} \\ &+79024339464464265568488 z^{26}+8552417691053092982580 z^{24} \\ &+746983318025141318610 z^{22}+51958188979615513320 z^{20} \\ &+2831915097392303560 z^{18}+118545286828305810 z^{16} \\ &+3716151058076100 z^{14}+84437145333320 z^{12}+1331319310200 z^{10} \\ &+13701381540 z^8+84231345 z^6+291720 z^4+816 z^2+1 \end{aligned} $	$\left\{ \left[ 51, \frac{\sqrt{102}}{2} \right] \right\}$
		$ \begin{aligned} &z^{104}+624 z^{102}+347438 z^{100}+98258160 z^{98}+16175598725 z^{96} \\ &+1631856466240 z^{94}+108035000810360 z^{92}+4969685406637120 z^{90} \\ &+165864369123442470 z^{88}+4149860447302741600 z^{86} \\ &+79830193020514270620 z^{84}+1204710213949359709280 z^{82} \\ &+14495806740575385298710 z^{80}+140943843551363568901952 z^{78} \\ &+1119720534539859609071000 z^{76}+7336100057062382350155840 z^{74} \\ &+39949206154296967104680675 z^{72} \\ &+182014564929728193473991440 z^{70} \\ &+697722498921690104343943410 z^{68} \\ &+2260898794505329049893312400 z^{66} \\ &+6217471684838529165347809655 z^{64} \\ &+14557982481660262442549980800 z^{62} \end{aligned} $	

$\{[104, 2, 99]\}$	$x^5 + x^4 + x + 1$	$ \begin{aligned} &+29100575975486962300600778480 z^{60} \\ &+49766202392727369547383831680 z^{58} \\ &+72928663612909953419616080100 z^{56} \\ &+91681748541939763543890492224 z^{54} \\ &+98941615507760720608438380680 z^{52} \\ &+91681748541939763543890492224 z^{50} \\ &+72928663612909953419616080100 z^{48} \\ &+49766202392727369547383831680 z^{46} \\ &+29100575975486962300600778480 z^{44} \\ &+14557982481660262442549980800 z^{42} \\ &+6217471684838529165347809655 z^{40} \\ &+2260898794505329049893312400 z^{38} \\ &+697722498921690104343943410 z^{36} \\ &+182014564929728193473991440 z^{34} \\ &+39949206154296967104680675 z^{32} + 7336100057062382350155840 z^{30} \\ &+1119720534539859609071000 z^{28} + 140943843551363568901952 z^{26} \\ &+14495806740575385298710 z^{24} + 1204710213949359709280 z^{22} \\ &+79830193020514270620 z^{20} + 4149860447302741600 z^{18} \\ &+165864369123442470 z^{16} + 4969685406637120 z^{14} \\ &+108035000810360 z^{12} + 1631856466240 z^{10} + 16175598725 z^8 \\ &+98258160 z^6 + 347438 z^4 + 624 z^2 + 1 \end{aligned} $	$\{[52, \sqrt{26}]\}$
		$ \begin{aligned} &4084101 z^{100} + 1293298650 z^{98} + 183605298345 z^{96} + 15501025990800 z^{94} \\ &+ 872042838073260 z^{92} + 34786984689534280 z^{90} \\ &+ 1024468974108378540 z^{88} + 22933492439234185200 z^{86} \\ &+ 399150821330764483330 z^{84} + 5499763125620670045300 z^{82} \\ &+ 60882389785624870201914 z^{80} + 548114955659249870071600 z^{78} \\ &+ 4054160540813349570012780 z^{76} + 24848080790806302107404200 z^{74} \\ &+ 127111110609126356556415180 z^{72} \\ &+ 546043694918951055383672400 z^{70} \\ &+ 1980023307183093459179635155 z^{68} \\ &+ 6087035216014454486744892870 z^{66} \end{aligned} $	

$\{[105, 2, 100]\}$	$x^5 + 1$	$ \begin{aligned} &+15922793340780826391651213055 z^{64} \\ &+35548561872485684725628610720 z^{62} \\ &+67901343940652660910376065560 z^{60} \\ &+111179813859992959649076850320 z^{58} \\ &+156275707742461381184180463000 z^{56} \\ &+188756541110431762188229197920 z^{54} \\ &+196016408084059685533236547260 z^{52} \\ &+175028792674551784357027344216 z^{50} \\ &+134342275072423873631444983820 z^{48} \\ &+88566970359281053330240821600 z^{46} \\ &+50091155370333184608888783480 z^{44} \\ &+24263304135432079884928210320 z^{42} \\ &+10043608105291616343798400440 z^{40} \\ &+3543199603874785691452939680 z^{38} \\ &+1061751628982688285792723195 z^{36} \\ &+269176469067815176921753350 z^{34} \\ &+57461186922958262151056055 z^{32} + 10270540121122833589169104 z^{30} \\ &+1526891635652676948723900 z^{28} + 187330419218997140080680 z^{26} \\ &+18790861081408582481980 z^{24} + 1524031552174924993200 z^{22} \\ &+98613744462107617890 z^{20} + 5008415864767866740 z^{18} \\ &+195680559691042650 z^{16} + 5735361477759600 z^{14} \\ &+122199821692060 z^{12} + 1821762311880 z^{10} + 18229333500 z^8 \\ &+118018320 z^6 + 470925 z^4 + 1050 z^2 + 1 \end{aligned} $	$ \left\{ \left[ \frac{105}{2}, \frac{\sqrt{105}}{2} \right] \right\} $
		$ \begin{aligned} &z^{105} + 210 z^{103} + 5250 z^{102} + 152355 z^{101} + 3010875 z^{100} + 50307250 z^{99} \\ &+ 711283650 z^{98} + 8712511500 z^{97} + 93909887225 z^{96} + 901515615000 z^{95} \\ &+ 7785782883480 z^{94} + 60988843576500 z^{93} + 436304639766660 z^{92} \\ &+ 2867144027571000 z^{91} + 17394008945972792 z^{90} \\ &+ 97841299591821450 z^{89} + 512227975608914460 z^{88} \\ &+ 2504225674308334900 z^{87} + 11466717543323191380 z^{86} \\ &+ 49306885386069097710 z^{85} + 199575488643545940750 z^{84} \\ &+ 762015502067856407700 z^{83} + 2749882028582969987700 z^{82} \end{aligned} $	

$\{[105, 2, 100]\}$

$x^5 + x + 1$

$$\begin{aligned}
& +9395430265066497717100 z^{81} + 30441194059760604874026 z^{80} \\
& +93665212488826992359640 z^{79} + 274057473579457382835160 z^{78} \\
& +763445819261188185321780 z^{77} + 2027080278719095288268580 z^{76} \\
& +5135270039426981664328888 z^{75} + 12424040417988187209190200 z^{74} \\
& +28730593466551952845583175 z^{73} + 63555555244183559653135900 z^{72} \\
& +134588234634871380306210750 z^{71} \\
& +273021847402081373895221070 z^{70} \\
& +530875814392716420274542245 z^{69} \\
& +990011653867808936602064925 z^{68} \\
& +1771599801658384990838153790 z^{67} \\
& +3043517607976609594272599150 z^{66} \\
& +5021804053161461406350554968 z^{65} \\
& +7961396669647004061361612575 z^{64} \\
& +12131652068033006028382731440 z^{63} \\
& +17774280936885035212788692400 z^{62} \\
& +25045577683793451980764945320 z^{61} \\
& +33950671971364236743781455560 z^{60} \\
& +44283485180039564222558818800 z^{59} \\
& +55589906928135894371718217200 z^{58} \\
& +67171137538164060732023473900 z^{57} \\
& +78137853870923992660389348600 z^{56} \\
& +87514396335436273689101023128 z^{55} \\
& +94378270557824528247480702040 z^{54} \\
& +98008204040815510208721380580 z^{53} \\
& +98008204040815510208721380580 z^{52} \\
& +94378270557824528247480702040 z^{51} \\
& +87514396335436273689101023128 z^{50} \\
& +78137853870923992660389348600 z^{49} \\
& +67171137538164060732023473900 z^{48} \\
& +55589906928135894371718217200 z^{47} \\
& +44283485180039564222558818800 z^{46}
\end{aligned}$$

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

		$+33950671971364236743781455560 z^{45}$ $+25045577683793451980764945320 z^{44}$ $+17774280936885035212788692400 z^{43}$ $+12131652068033006028382731440 z^{42}$ $+7961396669647004061361612575 z^{41}$ $+5021804053161461406350554968 z^{40}$ $+3043517607976609594272599150 z^{39}$ $+1771599801658384990838153790 z^{38}$ $+990011653867808936602064925 z^{37}$ $+530875814392716420274542245 z^{36}$ $+273021847402081373895221070 z^{35}$ $+134588234634871380306210750 z^{34}$ $+63555555244183559653135900 z^{33} + 28730593466551952845583175 z^{32}$ $+12424040417988187209190200 z^{31} + 5135270039426981664328888 z^{30}$ $+2027080278719095288268580 z^{29} + 763445819261188185321780 z^{28}$ $+274057473579457382835160 z^{27} + 93665212488826992359640 z^{26}$ $+30441194059760604874026 z^{25} + 9395430265066497717100 z^{24}$ $+2749882028582969987700 z^{23} + 762015502067856407700 z^{22}$ $+199575488643545940750 z^{21} + 49306885386069097710 z^{20}$ $+11466717543323191380 z^{19} + 2504225674308334900 z^{18}$ $+512227975608914460 z^{17} + 97841299591821450 z^{16}$ $+17394008945972792 z^{15} + 2867144027571000 z^{14} + 436304639766660 z^{13}$ $+60988843576500 z^{12} + 7785782883480 z^{11} + 901515615000 z^{10}$ $+93909887225 z^9 + 8712511500 z^8 + 711283650 z^7 + 50307250 z^6$ $+3010875 z^5 + 152355 z^4 + 5250 z^3 + 210 z^2 + 1$	
		$12005 z^{102} + 6028911 z^{100} + 1422628515 z^{98} + 187814676665 z^{96}$ $+15571617098940 z^{94} + 872609100601140 z^{92} + 34788017615868020 z^{90}$ $+1024455955335206940 z^{88} + 22933435079951501490 z^{86}$ $+399150977223241648790 z^{84} + 5499764057605419537390 z^{82}$ $+60882388118307966770154 z^{80} + 548114947159519998551580 z^{78}$ $+4054160557446374777477460 z^{76} + 24848080835940233167882740 z^{74}$	

$\{[105, 2, 100]\}$	$x^5 + x^3 + x + 1$	$ \begin{aligned} &+127111110488449930725072540 z^{72} \\ &+546043694804056272645408195 z^{70} \\ &+1980023307735635792449481865 z^{68} \\ &+6087035215953461923223289765 z^{66} \\ &+15922793339293450581997933215 z^{64} \\ &+35548561873770640824289600440 z^{62} \\ &+67901343942728568079835137320 z^{60} \\ &+111179813856270381482699360040 z^{58} \\ &+156275707741850707725065877240 z^{56} \\ &+188756541115645898559124833180 z^{54} \\ &+196016408081633359186032264660 z^{52} \\ &+175028792670871764836604515556 z^{50} \\ &+134342275076327607041994327660 z^{48} \\ &+88566970360080026211692550360 z^{46} \\ &+50091155367586423543252404360 z^{44} \\ &+24263304136065865303206117960 z^{42} \\ &+10043608106323419494343015000 z^{40} \\ &+3543199603316288787111583035 z^{38} \\ &+1061751628785718971051955185 z^{36} \\ &+269176469269635912005443485 z^{34} \\ &+57461186933119913288726535 z^{32} + 10270540078861885426167564 z^{30} \\ &+1526891638516161504612900 z^{28} + 187330424979490588407780 z^{26} \\ &+18790860530052162295660 z^{24} + 1524031003995422093010 z^{22} \\ &+98613770823722932470 z^{20} + 5008451343446276110 z^{18} \\ &+195682597467214410 z^{16} + 5734288728152460 z^{14} \\ &+121977603274660 z^{12} + 1803030449220 z^{10} + 17426053260 z^8 \\ &+100588285 z^6 + 298935 z^4 + 315 z^2 + 1 \end{aligned} $	$ \left\{ \left[ \frac{105}{2}, \frac{\sqrt{105}}{2} \right] \right\} $
		$ \begin{aligned} &12005 z^{102} + 6028911 z^{100} + 1422628515 z^{98} + 187814676665 z^{96} \\ &+ 15571617098940 z^{94} + 872609100601140 z^{92} + 34788017615868020 z^{90} \\ &+ 1024455955335206940 z^{88} + 22933435079951501490 z^{86} \\ &+ 399150977223241648790 z^{84} + 5499764057605419537390 z^{82} \end{aligned} $	



$\{[105, 2, 100]\}$	$x^5 + x^4 + x^2 + 1$	$ \begin{aligned} &+60882388118307966770154 z^{80} + 548114947159519998551580 z^{78} \\ &+4054160557446374777477460 z^{76} + 24848080835940233167882740 z^{74} \\ &+127111110488449930725072540 z^{72} \\ &+546043694804056272645408195 z^{70} \\ &+1980023307735635792449481865 z^{68} \\ &+6087035215953461923223289765 z^{66} \\ &+15922793339293450581997933215 z^{64} \\ &+35548561873770640824289600440 z^{62} \\ &+67901343942728568079835137320 z^{60} \\ &+111179813856270381482699360040 z^{58} \\ &+156275707741850707725065877240 z^{56} \\ &+188756541115645898559124833180 z^{54} \\ &+196016408081633359186032264660 z^{52} \\ &+175028792670871764836604515556 z^{50} \\ &+134342275076327607041994327660 z^{48} \\ &+88566970360080026211692550360 z^{46} \\ &+50091155367586423543252404360 z^{44} \\ &+24263304136065865303206117960 z^{42} \\ &+10043608106323419494343015000 z^{40} \\ &+3543199603316288787111583035 z^{38} \\ &+1061751628785718971051955185 z^{36} \\ &+269176469269635912005443485 z^{34} \\ &+57461186933119913288726535 z^{32} + 10270540078861885426167564 z^{30} \\ &+1526891638516161504612900 z^{28} + 187330424979490588407780 z^{26} \\ &+18790860530052162295660 z^{24} + 1524031003995422093010 z^{22} \\ &+98613770823722932470 z^{20} + 5008451343446276110 z^{18} \\ &+195682597467214410 z^{16} + 5734288728152460 z^{14} \\ &+121977603274660 z^{12} + 1803030449220 z^{10} + 17426053260 z^8 \\ &+100588285 z^6 + 298935 z^4 + 315 z^2 + 1 \end{aligned} $	$ \left\{ \left[ \frac{105}{2}, \frac{\sqrt{105}}{2} \right] \right\} $
		$ \begin{aligned} &z^{105} + 210 z^{103} + 5250 z^{102} + 152355 z^{101} + 3010875 z^{100} + 50307250 z^{99} \\ &+ 711283650 z^{98} + 8712511500 z^{97} + 93909887225 z^{96} + 901515615000 z^{95} \end{aligned} $	

$\{[105, 2, 100]\}$

$x^5 + x^4 + 1$

$$\begin{aligned} &+ 7785782883480 z^{94} + 60988843576500 z^{93} + 436304639766660 z^{92} \\ &+ 2867144027571000 z^{91} + 17394008945972792 z^{90} \\ &+ 97841299591821450 z^{89} + 512227975608914460 z^{88} \\ &+ 2504225674308334900 z^{87} + 11466717543323191380 z^{86} \\ &+ 49306885386069097710 z^{85} + 199575488643545940750 z^{84} \\ &+ 762015502067856407700 z^{83} + 2749882028582969987700 z^{82} \\ &+ 9395430265066497717100 z^{81} + 30441194059760604874026 z^{80} \\ &+ 93665212488826992359640 z^{79} + 274057473579457382835160 z^{78} \\ &+ 763445819261188185321780 z^{77} + 2027080278719095288268580 z^{76} \\ &+ 5135270039426981664328888 z^{75} + 12424040417988187209190200 z^{74} \\ &+ 28730593466551952845583175 z^{73} + 63555555244183559653135900 z^{72} \\ &+ 134588234634871380306210750 z^{71} \\ &+ 273021847402081373895221070 z^{70} \\ &+ 530875814392716420274542245 z^{69} \\ &+ 990011653867808936602064925 z^{68} \\ &+ 1771599801658384990838153790 z^{67} \\ &+ 3043517607976609594272599150 z^{66} \\ &+ 5021804053161461406350554968 z^{65} \\ &+ 7961396669647004061361612575 z^{64} \\ &+ 12131652068033006028382731440 z^{63} \\ &+ 17774280936885035212788692400 z^{62} \\ &+ 25045577683793451980764945320 z^{61} \\ &+ 33950671971364236743781455560 z^{60} \\ &+ 44283485180039564222558818800 z^{59} \\ &+ 55589906928135894371718217200 z^{58} \\ &+ 67171137538164060732023473900 z^{57} \\ &+ 78137853870923992660389348600 z^{56} \\ &+ 87514396335436273689101023128 z^{55} \\ &+ 94378270557824528247480702040 z^{54} \\ &+ 98008204040815510208721380580 z^{53} \\ &+ 98008204040815510208721380580 z^{52} \end{aligned}$$

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

$$\begin{aligned}
&+94378270557824528247480702040 z^{51} \\
&+87514396335436273689101023128 z^{50} \\
&+78137853870923992660389348600 z^{49} \\
&+67171137538164060732023473900 z^{48} \\
&+55589906928135894371718217200 z^{47} \\
&+44283485180039564222558818800 z^{46} \\
&+33950671971364236743781455560 z^{45} \\
&+25045577683793451980764945320 z^{44} \\
&+17774280936885035212788692400 z^{43} \\
&+12131652068033006028382731440 z^{42} \\
&+7961396669647004061361612575 z^{41} \\
&+5021804053161461406350554968 z^{40} \\
&+3043517607976609594272599150 z^{39} \\
&+1771599801658384990838153790 z^{38} \\
&+990011653867808936602064925 z^{37} \\
&+530875814392716420274542245 z^{36} \\
&+273021847402081373895221070 z^{35} \\
&+134588234634871380306210750 z^{34} \\
&+63555555244183559653135900 z^{33} + 28730593466551952845583175 z^{32} \\
&+12424040417988187209190200 z^{31} + 5135270039426981664328888 z^{30} \\
&+2027080278719095288268580 z^{29} + 763445819261188185321780 z^{28} \\
&+274057473579457382835160 z^{27} + 93665212488826992359640 z^{26} \\
&+30441194059760604874026 z^{25} + 9395430265066497717100 z^{24} \\
&+2749882028582969987700 z^{23} + 762015502067856407700 z^{22} \\
&+199575488643545940750 z^{21} + 49306885386069097710 z^{20} \\
&+11466717543323191380 z^{19} + 2504225674308334900 z^{18} \\
&+512227975608914460 z^{17} + 97841299591821450 z^{16} \\
&+17394008945972792 z^{15} + 2867144027571000 z^{14} + 436304639766660 z^{13} \\
&+60988843576500 z^{12} + 7785782883480 z^{11} + 901515615000 z^{10} \\
&+93909887225 z^9 + 8712511500 z^8 + 711283650 z^7 + 50307250 z^6 \\
&+3010875 z^5 + 152355 z^4 + 5250 z^3 + 210 z^2 + 1
\end{aligned}$$

$\{[108, 2, 103]\}$ 

$x^5 + x^3 + x^2 + 1$

$$\begin{aligned} & z^{108} + 432 z^{106} + 342927 z^{104} + 119619216 z^{102} + 22000491027 z^{100} \\ & + 2420175344112 z^{98} + 174289467490173 z^{96} + 8733619692682560 z^{94} \\ & + 318122126781900318 z^{92} + 8703655031096417952 z^{90} \\ & + 183463885976244507522 z^{88} + 3040258683318555156768 z^{86} \\ & + 40261396692845047616370 z^{84} + 431849934976897810539936 z^{82} \\ & + 3794110143068190587093550 z^{80} + 27561811613880006015432768 z^{78} \\ & + 166871210234983560175036923 z^{76} \\ & + 847741442370371134921576080 z^{74} \\ & + 3634523231495005783677354357 z^{72} \\ & + 13214568107684628061888280688 z^{70} \\ & + 40914335871868749254905065993 z^{68} \\ & + 108249543688867849852737392592 z^{66} \\ & + 245449546736393711481384019815 z^{64} \\ & + 478093030164789891727526808192 z^{62} \\ & + 801483971668112231198987409108 z^{60} \\ & + 1158062554981675695916343724480 z^{58} \\ & + 1443648117183034430063961767916 z^{56} \\ & + 1553611530721096366413419499456 z^{54} \\ & + 1443648117183034430063961767916 z^{52} \\ & + 1158062554981675695916343724480 z^{50} \\ & + 801483971668112231198987409108 z^{48} \\ & + 478093030164789891727526808192 z^{46} \\ & + 245449546736393711481384019815 z^{44} \\ & + 108249543688867849852737392592 z^{42} \\ & + 40914335871868749254905065993 z^{40} \\ & + 13214568107684628061888280688 z^{38} \\ & + 3634523231495005783677354357 z^{36} \\ & + 847741442370371134921576080 z^{34} \\ & + 166871210234983560175036923 z^{32} \\ & + 27561811613880006015432768 z^{30} + 3794110143068190587093550 z^{28} \\ & + 431849934976897810539936 z^{26} + 40261396692845047616370 z^{24} \end{aligned}$$

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

		$+3040258683318555156768 z^{22} + 183463885976244507522 z^{20}$ $+8703655031096417952 z^{18} + 318122126781900318 z^{16}$ $+8733619692682560 z^{14} + 174289467490173 z^{12} + 2420175344112 z^{10}$ $+22000491027 z^8 + 119619216 z^6 + 342927 z^4 + 432 z^2 + 1$	
$\{[108, 2, 103]\}$	$x^5 + x^4 + x^3 + x^2 + x + 1$	$z^{108} + 918 z^{106} + 369495 z^{104} + 119800548 z^{102} + 21994861851 z^{100}$ $+2420183772270 z^{98} + 174289817098845 z^{96} + 8733617246653200 z^{94}$ $+318122127496456830 z^{92} + 8703655100180601540 z^{90}$ $+183463885573844386770 z^{88} + 3040258684202307157320 z^{86}$ $+40261396694101410874050 z^{84} + 431849934961974854335332 z^{82}$ $+3794110143115897599635214 z^{80} + 27561811613817041983540944 z^{78}$ $+166871210234892784039575387 z^{76}$ $+847741442371023861584050050 z^{74}$ $+3634523231493388727817718125 z^{72}$ $+13214568107686783067717043420 z^{70}$ $+40914335871868225791920611905 z^{68}$ $+108249543688863279280714777530 z^{66}$ $+245449546736405227621552110375 z^{64}$ $+478093030164775007034243962400 z^{62}$ $+801483971668120977065017532820 z^{60}$ $+1158062554981682908649241624216 z^{58}$ $+1443648117183009595391267808588 z^{56}$ $+1553611530721128900685312923120 z^{54}$ $+1443648117183009595391267808588 z^{52}$ $+1158062554981682908649241624216 z^{50}$ $+801483971668120977065017532820 z^{48}$ $+478093030164775007034243962400 z^{46}$ $+245449546736405227621552110375 z^{44}$ $+108249543688863279280714777530 z^{42}$ $+40914335871868225791920611905 z^{40}$ $+13214568107686783067717043420 z^{38}$ $+3634523231493388727817718125 z^{36}$	$\{[54, 3\sqrt{3}]\}$

		$+847741442371023861584050050 z^{34}$ $+166871210234892784039575387 z^{32}$ $+27561811613817041983540944 z^{30} + 3794110143115897599635214 z^{28}$ $+431849934961974854335332 z^{26} + 40261396694101410874050 z^{24}$ $+3040258684202307157320 z^{22} + 183463885573844386770 z^{20}$ $+8703655100180601540 z^{18} + 318122127496456830 z^{16}$ $+8733617246653200 z^{14} + 174289817098845 z^{12} + 2420183772270 z^{10}$ $+21994861851 z^8 + 119800548 z^6 + 369495 z^4 + 918 z^2 + 1$	
$\{[110, 2, 105]\}$	$x^5 + 1$	$z^{110} + 1155 z^{108} + 570185 z^{106} + 157432275 z^{104} + 26828456215 z^{102}$ $+2963757664021 z^{100} + 220293120791975 z^{98} + 11485044466404685 z^{96}$ $+436318455644009070 z^{94} + 12464896884876476810 z^{92}$ $+274622981861422458110 z^{90} + 4761325859282408794570 z^{88}$ $+66037507187876784863930 z^{86} + 742667904118379352842190 z^{84}$ $+6849048532876115194109690 z^{82} + 52288943358208671903265598 z^{80}$ $+333131170809330189057911435 z^{78}$ $+1783231559536184911372949345 z^{76}$ $+8066999915564051083276516675 z^{74}$ $+30994262838294549533249978545 z^{72}$ $+101565815133663679216629863685 z^{70}$ $+284879725370354440710823637055 z^{68}$ $+686000015249065967352862020885 z^{66}$ $+1421710176518661933384173970695 z^{64}$ $+2540928826067115579900683988340 z^{62}$ $+3922364416451047115825821771996 z^{60}$ $+5235735307067074847407892759380 z^{58}$ $+6047987744564318588575487777500 z^{56}$ $+6047987744564318588575487777500 z^{54}$ $+5235735307067074847407892759380 z^{52}$ $+3922364416451047115825821771996 z^{50}$ $+2540928826067115579900683988340 z^{48}$ $+1421710176518661933384173970695 z^{46}$	$\left\{ \left[ 55, \frac{\sqrt{110}}{2} \right] \right\}$

		$+686000015249065967352862020885 z^{44}$ $+284879725370354440710823637055 z^{42}$ $+101565815133663679216629863685 z^{40}$ $+30994262838294549533249978545 z^{38}$ $+8066999915564051083276516675 z^{36}$ $+1783231559536184911372949345 z^{34}$ $+333131170809330189057911435 z^{32}$ $+52288943358208671903265598 z^{30} + 6849048532876115194109690 z^{28}$ $+742667904118379352842190 z^{26} + 66037507187876784863930 z^{24}$ $+4761325859282408794570 z^{22} + 274622981861422458110 z^{20}$ $+12464896884876476810 z^{18} + 436318455644009070 z^{16}$ $+11485044466404685 z^{14} + 220293120791975 z^{12} + 2963757664021 z^{10}$ $+26828456215 z^8 + 157432275 z^6 + 570185 z^4 + 1155 z^2 + 1$	
		$z^{112} + 392 z^{110} + 387716 z^{108} + 149528568 z^{106} + 29718287802 z^{104}$ $+ 3537122654744 z^{102} + 276056575083604 z^{100} + 15016262216846184 z^{98}$ $+ 594769132178182395 z^{96} + 17726452503381914096 z^{94}$ $+ 407801704948962199512 z^{92} + 7389861197949498423568 z^{90}$ $+ 107233311950684837818404 z^{88} + 1263043440448450206326928 z^{86}$ $+ 12212761309104716552264856 z^{84} + 97870542352960502467353200 z^{82}$ $+ 655298530552766299211868681 z^{80}$ $+ 3691164628425643104626134104 z^{78}$ $+ 17594551395495382833264952268 z^{76}$ $+ 71329262414170761208344813096 z^{74}$ $+ 247000433052147464966588794342 z^{72}$ $+ 733255640977106578066508751048 z^{70}$ $+ 1871894686003925709925564611804 z^{68}$ $+ 4119976903108153508358907100600 z^{66}$ $+ 7834530547133863005167168599291 z^{64}$ $+ 12893398843283145867308845472928 z^{62}$ $+ 18387192468060670929414080408592 z^{60}$ $+ 22743068251898924396243717770592 z^{58}$	

$\{[112, 2, 107]\}$	$x^5 + x^2 + x + 1$	$+24411877805447371596236617189496 z^{56}$ $+22743068251898924396243717770592 z^{54}$ $+18387192468060670929414080408592 z^{52}$ $+12893398843283145867308845472928 z^{50}$ $+7834530547133863005167168599291 z^{48}$ $+4119976903108153508358907100600 z^{46}$ $+1871894686003925709925564611804 z^{44}$ $+733255640977106578066508751048 z^{42}$ $+247000433052147464966588794342 z^{40}$ $+71329262414170761208344813096 z^{38}$ $+17594551395495382833264952268 z^{36}$ $+3691164628425643104626134104 z^{34}$ $+655298530552766299211868681 z^{32}$ $+97870542352960502467353200 z^{30} + 12212761309104716552264856 z^{28}$ $+1263043440448450206326928 z^{26} + 107233311950684837818404 z^{24}$ $+7389861197949498423568 z^{22} + 407801704948962199512 z^{20}$ $+17726452503381914096 z^{18} + 594769132178182395 z^{16}$ $+15016262216846184 z^{14} + 276056575083604 z^{12} + 3537122654744 z^{10}$ $+29718287802 z^8 + 149528568 z^6 + 387716 z^4 + 392 z^2 + 1$	$\{[56, 2\sqrt{7}]\}$
		$z^{112} + 392 z^{110} + 387716 z^{108} + 149528568 z^{106} + 29718287802 z^{104}$ $+ 3537122654744 z^{102} + 276056575083604 z^{100} + 15016262216846184 z^{98}$ $+ 594769132178182395 z^{96} + 17726452503381914096 z^{94}$ $+ 407801704948962199512 z^{92} + 7389861197949498423568 z^{90}$ $+ 107233311950684837818404 z^{88} + 1263043440448450206326928 z^{86}$ $+ 12212761309104716552264856 z^{84} + 97870542352960502467353200 z^{82}$ $+ 655298530552766299211868681 z^{80}$ $+ 3691164628425643104626134104 z^{78}$ $+ 17594551395495382833264952268 z^{76}$ $+ 71329262414170761208344813096 z^{74}$ $+ 247000433052147464966588794342 z^{72}$ $+ 733255640977106578066508751048 z^{70}$	



$\{[112, 2, 107]\}$	$x^5 + x^4 + x^3 + 1$	$+1871894686003925709925564611804 z^{68}$ $+4119976903108153508358907100600 z^{66}$ $+7834530547133863005167168599291 z^{64}$ $+12893398843283145867308845472928 z^{62}$ $+18387192468060670929414080408592 z^{60}$ $+22743068251898924396243717770592 z^{58}$ $+24411877805447371596236617189496 z^{56}$ $+22743068251898924396243717770592 z^{54}$ $+18387192468060670929414080408592 z^{52}$ $+12893398843283145867308845472928 z^{50}$ $+7834530547133863005167168599291 z^{48}$ $+4119976903108153508358907100600 z^{46}$ $+1871894686003925709925564611804 z^{44}$ $+733255640977106578066508751048 z^{42}$ $+247000433052147464966588794342 z^{40}$ $+71329262414170761208344813096 z^{38}$ $+17594551395495382833264952268 z^{36}$ $+3691164628425643104626134104 z^{34}$ $+655298530552766299211868681 z^{32}$ $+97870542352960502467353200 z^{30} + 12212761309104716552264856 z^{28}$ $+1263043440448450206326928 z^{26} + 107233311950684837818404 z^{24}$ $+7389861197949498423568 z^{22} + 407801704948962199512 z^{20}$ $+17726452503381914096 z^{18} + 594769132178182395 z^{16}$ $+15016262216846184 z^{14} + 276056575083604 z^{12} + 3537122654744 z^{10}$ $+29718287802 z^8 + 149528568 z^6 + 387716 z^4 + 392 z^2 + 1$	$\{[56, 2\sqrt{7}]\}$
		$z^{112} + 728 z^{110} + 470372 z^{108} + 155197224 z^{106} + 29879741178 z^{104}$ $+ 3538856178312 z^{102} + 276056399006388 z^{100} + 15016163636302200 z^{98}$ $+ 594769023041215995 z^{96} + 17726455590636409680 z^{94}$ $+ 407801704613291986200 z^{92} + 7389861140091757694640 z^{90}$ $+ 107233312053765629948580 z^{88} + 1263043440970862155231536 z^{86}$ $+ 12212761307062902054982616 z^{84} + 97870542352502128834660560 z^{82}$	

$\{[112, 2, 107]\}$	$x^5 + x^4 + x + 1$	$ \begin{aligned} &+ 655298530568030462990844681 z^{80} \\ &+ 3691164628399742743439912904 z^{78} \\ &+ 17594551395465906385134631020 z^{76} \\ &+ 71329262414332304138027751480 z^{74} \\ &+ 247000433051986611793521081510 z^{72} \\ &+ 733255640976854429828413798680 z^{70} \\ &+ 1871894686004742035992445895420 z^{68} \\ &+ 4119976903107573599678119590120 z^{66} \\ &+ 7834530547132998304670057189115 z^{64} \\ &+ 12893398843285263082063922767584 z^{62} \\ &+ 18387192468059448187533239741328 z^{60} \\ &+ 22743068251897503586668037594400 z^{58} \\ &+ 24411877805450267838130650639224 z^{56} \\ &+ 22743068251897503586668037594400 z^{54} \\ &+ 18387192468059448187533239741328 z^{52} \\ &+ 12893398843285263082063922767584 z^{50} \\ &+ 7834530547132998304670057189115 z^{48} \\ &+ 4119976903107573599678119590120 z^{46} \\ &+ 1871894686004742035992445895420 z^{44} \\ &+ 733255640976854429828413798680 z^{42} \\ &+ 247000433051986611793521081510 z^{40} \\ &+ 71329262414332304138027751480 z^{38} \\ &+ 17594551395465906385134631020 z^{36} \\ &+ 3691164628399742743439912904 z^{34} \\ &+ 655298530568030462990844681 z^{32} \\ &+ 97870542352502128834660560 z^{30} + 12212761307062902054982616 z^{28} \\ &+ 1263043440970862155231536 z^{26} + 107233312053765629948580 z^{24} \\ &+ 7389861140091757694640 z^{22} + 407801704613291986200 z^{20} \\ &+ 17726455590636409680 z^{18} + 594769023041215995 z^{16} \\ &+ 15016163636302200 z^{14} + 276056399006388 z^{12} + 3538856178312 z^{10} \\ &+ 29879741178 z^8 + 155197224 z^6 + 470372 z^4 + 728 z^2 + 1 \end{aligned} $	$\{[56, 2\sqrt{7}]\}$
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{[114, 2, 109]}

$$x^5 + x^4 + x^3 + x^2 + x + 1$$

$$\begin{aligned} & z^{114} + 1026 z^{112} + 461871 z^{110} + 167096773 z^{108} + 34386859053 z^{106} \\ & + 4253648656881 z^{104} + 345192136311681 z^{102} + 19539338297931651 z^{100} \\ & + 805997879378777160 z^{98} + 25038614378594119785 z^{96} \\ & + 600926739289378063890 z^{94} + 11370782603808525929190 z^{92} \\ & + 172456869492105565103790 z^{90} + 2125199268471364316992926 z^{88} \\ & + 21521859259216582978003446 z^{86} \\ & + 180833093314775291611160258 z^{84} \\ & + 1270935813094689834356296263 z^{82} \\ & + 7523668155601205753220769428 z^{80} \\ & + 37737764082040606012215984741 z^{78} \\ & + 161204133056029387421064755511 z^{76} \\ & + 589015101550876313346255794295 z^{74} \\ & + 1847769790114798894952120536395 z^{72} \\ & + 4992494274348435246409487911395 z^{70} \\ & + 11649153306812761529019013860105 z^{68} \\ & + 23525506412162774423351139440130 z^{66} \\ & + 41193641840072971871210623058031 z^{64} \\ & + 62629247322463346957162393885196 z^{62} \\ & + 82761639892927417408665707317956 z^{60} \\ & + 95122144552260292450499435497428 z^{58} \\ & + 95122144552260292450499435497428 z^{56} \\ & + 82761639892927417408665707317956 z^{54} \\ & + 62629247322463346957162393885196 z^{52} \\ & + 41193641840072971871210623058031 z^{50} \\ & + 23525506412162774423351139440130 z^{48} \\ & + 11649153306812761529019013860105 z^{46} \\ & + 4992494274348435246409487911395 z^{44} \\ & + 1847769790114798894952120536395 z^{42} \\ & + 589015101550876313346255794295 z^{40} \\ & + 161204133056029387421064755511 z^{38} \\ & + 37737764082040606012215984741 z^{36} \end{aligned}$$

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

		$+7523668155601205753220769428 z^{34}$ $+1270935813094689834356296263 z^{32}$ $+180833093314775291611160258 z^{30}$ $+21521859259216582978003446 z^{28} + 2125199268471364316992926 z^{26}$ $+172456869492105565103790 z^{24} + 11370782603808525929190 z^{22}$ $+600926739289378063890 z^{20} + 25038614378594119785 z^{18}$ $+805997879378777160 z^{16} + 19539338297931651 z^{14}$ $+345192136311681 z^{12} + 4253648656881 z^{10} + 34386859053 z^8$ $+167096773 z^6 + 461871 z^4 + 1026 z^2 + 1$	
$\{[115, 2, 110]\}$	$x^5 + 1$	$6436343 z^{110} + 2477992055 z^{108} + 428692625515 z^{106} + 44228264194235 z^{104}$ $+ 3050731420668745 z^{102} + 149786580262489961 z^{100}$ $+ 5452356837231367965 z^{98} + 151550012224208737645 z^{96}$ $+ 3290790080926902428930 z^{94} + 56853904997112642785410 z^{92}$ $+ 793301582572704043876154 z^{90} + 9051774754360830369941530 z^{88}$ $+ 85345304114458485779320870 z^{86}$ $+ 670832442126474349200677990 z^{84}$ $+ 4429018741959716609590835070 z^{82}$ $+ 24720623945015383883705606622 z^{80}$ $+ 117293050524783346091659500925 z^{78}$ $+ 475345520528045522019815433085 z^{76}$ $+ 1652115528759072308531663168985 z^{74}$ $+ 4941709903849392309347677729225 z^{72}$ $+ 12758596478796768417297807267515 z^{70}$ $+ 28503247452784026679194227461275 z^{68}$ $+ 55212923212452229490948897165015 z^{66}$ $+ 92887623756959988430489882739015 z^{64}$ $+ 135893649850310943023753230235820 z^{62}$ $+ 173047065230962764130839924267948 z^{60}$ $+ 191913098658263846458405803541500 z^{58}$ $+ 185407569889580171613283928044860 z^{56}$ $+ 156026042421140918390628622494180 z^{54}$	$\left\{ \left[ \frac{115}{2}, \frac{\sqrt{115}}{2} \right] \right\}$

		$+114323229239723838604954050889060 z^{52}$ $+72881058639955021550709617155956 z^{50}$ $+40379600558079141650603199328180 z^{48}$ $+19415255511487629078893892975745 z^{46}$ $+8086434388033760815899447183105 z^{44}$ $+2910870217250427623526239048045 z^{42}$ $+903156489057440422033349804189 z^{40}$ $+240759419512127825836182596655 z^{38}$ $+54934719860515641214340134415 z^{36}$ $+10681751083241147115482147835 z^{34}$ $+1760935164024808535822863915 z^{32}$ $+244656538186005507478748722 z^{30}$ $+28448434469780435960127410 z^{28} + 2746043984845803442622250 z^{26}$ $+217940016759462812266250 z^{24} + 14060646752123904929430 z^{22}$ $+727436689329121430230 z^{20} + 29684790001058906670 z^{18}$ $+936277501500209550 z^{16} + 22255300738819115 z^{14}$ $+386315570508075 z^{12} + 4713935531503 z^{10} + 38787104895 z^8$ $+207253805 z^6 + 684365 z^4 + 1265 z^2 + 1$	
		$z^{120} + 1380 z^{118} + 814890 z^{116} + 269574260 z^{114} + 55173066195 z^{112}$ $+ 7344884821176 z^{110} + 660645059129460 z^{108} + 41855694907609080 z^{106}$ $+ 1940322438044784045 z^{104} + 67921318375395349340 z^{102}$ $+ 1841386385396923033326 z^{100} + 39458338987972123525740 z^{98}$ $+ 679512696137205639515695 z^{96} + 9534085191872451984274800 z^{94}$ $+ 110247317279719111682249160 z^{92}$ $+ 1060908672096003893099403376 z^{90}$ $+ 8566409750130802659260019645 z^{88}$ $+ 58453148849498835829665580260 z^{86}$ $+ 339121046067990549296779428410 z^{84}$ $+ 1681615884372923018311136448180 z^{82}$ $+ 7159803015435618734237752666551 z^{80}$ $+ 26277558104804307994524504654600 z^{78}$	

$\{[120, 2, 115]\}$	$x^5 + 1$	$ \begin{aligned} &+ 83415969332937132698733837367500 z^{76} \\ &+ 229696147440023462532648499630920 z^{74} \\ &+ 550008239568955052064224020150025 z^{72} \\ &+ 1147609028845484908615718910532476 z^{70} \\ &+ 2090102416792720145817161257142190 z^{68} \\ &+ 3327221038053779689791518913451340 z^{66} \\ &+ 4634343588711819203165297642150355 z^{64} \\ &+ 5652048805110056587996332211871520 z^{62} \\ &+ 6038431802526593936469811477268976 z^{60} \\ &+ 5652048805110056587996332211871520 z^{58} \\ &+ 4634343588711819203165297642150355 z^{56} \\ &+ 3327221038053779689791518913451340 z^{54} \\ &+ 2090102416792720145817161257142190 z^{52} \\ &+ 1147609028845484908615718910532476 z^{50} \\ &+ 550008239568955052064224020150025 z^{48} \\ &+ 229696147440023462532648499630920 z^{46} \\ &+ 83415969332937132698733837367500 z^{44} \\ &+ 26277558104804307994524504654600 z^{42} \\ &+ 7159803015435618734237752666551 z^{40} \\ &+ 1681615884372923018311136448180 z^{38} \\ &+ 339121046067990549296779428410 z^{36} \\ &+ 58453148849498835829665580260 z^{34} \\ &+ 8566409750130802659260019645 z^{32} \\ &+ 1060908672096003893099403376 z^{30} \\ &+ 110247317279719111682249160 z^{28} + 9534085191872451984274800 z^{26} \\ &+ 679512696137205639515695 z^{24} + 39458338987972123525740 z^{22} \\ &+ 1841386385396923033326 z^{20} + 67921318375395349340 z^{18} \\ &+ 1940322438044784045 z^{16} + 41855694907609080 z^{14} \\ &+ 660645059129460 z^{12} + 7344884821176 z^{10} + 55173066195 z^8 \\ &+ 269574260 z^6 + 814890 z^4 + 1380 z^2 + 1 \end{aligned} $	$\{[60, \sqrt{30}]\}$
		$z^{120} + 420 z^{118} + 513450 z^{116} + 228307380 z^{114} + 52516085715 z^{112}$	

$\{[120, 2, 115]\}$

$x^5 + x^3 + x + 1$

$+7254265446456 z^{110} + 658928676026740 z^{108} + 41838353783842680 z^{106}$   
 $+ 1940253635737284525 z^{104} + 67921558758335029020 z^{102}$   
 $+ 1841389205620214703726 z^{100} + 39458340122446552589100 z^{98}$   
 $+ 679512647101639019043375 z^{96} + 9534085140893751778823280 z^{94}$   
 $+ 110247317859324375467580360 z^{92}$   
 $+ 1060908672549865686076825456 z^{90}$   
 $+ 8566409745084826137325084605 z^{88}$   
 $+ 58453148848814573588687003940 z^{86}$   
 $+ 339121046099074469338545839290 z^{84}$   
 $+ 1681615884354727865205323553780 z^{82}$   
 $+ 7159803015310323848872574869431 z^{80}$   
 $+ 26277558104971681333804462586760 z^{78}$   
 $+ 83415969333224075058863780626380 z^{76}$   
 $+ 229696147439312635566371099795400 z^{74}$   
 $+ 550008239568779697912706420290825 z^{72}$   
 $+ 1147609028847184314608661597163836 z^{70}$   
 $+ 2090102416791817730864267575510830 z^{68}$   
 $+ 3327221038051544737547740414491660 z^{66}$   
 $+ 4634343588714651827046309185610195 z^{64}$   
 $+ 5652048805111154063048993901269280 z^{62}$   
 $+ 6038431802522707789441243542164976 z^{60}$   
 $+ 5652048805111154063048993901269280 z^{58}$   
 $+ 4634343588714651827046309185610195 z^{56}$   
 $+ 3327221038051544737547740414491660 z^{54}$   
 $+ 2090102416791817730864267575510830 z^{52}$   
 $+ 1147609028847184314608661597163836 z^{50}$   
 $+ 550008239568779697912706420290825 z^{48}$   
 $+ 229696147439312635566371099795400 z^{46}$   
 $+ 83415969333224075058863780626380 z^{44}$   
 $+ 26277558104971681333804462586760 z^{42}$   
 $+ 7159803015310323848872574869431 z^{40}$

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

		$+1681615884354727865205323553780 z^{38}$ $+339121046099074469338545839290 z^{36}$ $+58453148848814573588687003940 z^{34}$ $+8566409745084826137325084605 z^{32}$ $+1060908672549865686076825456 z^{30}$ $+110247317859324375467580360 z^{28} + 9534085140893751778823280 z^{26}$ $+679512647101639019043375 z^{24} + 39458340122446552589100 z^{22}$ $+1841389205620214703726 z^{20} + 67921558758335029020 z^{18}$ $+1940253635737284525 z^{16} + 41838353783842680 z^{14}$ $+658928676026740 z^{12} + 7254265446456 z^{10} + 52516085715 z^8$ $+228307380 z^6 + 513450 z^4 + 420 z^2 + 1$	
		$z^{120} + 540 z^{118} + 526170 z^{116} + 228417420 z^{114} + 52514304915 z^{112}$ $+ 7254244525512 z^{110} + 658929057331540 z^{108} + 41838352110224520 z^{106}$ $+ 1940253632205334125 z^{104} + 67921558816825236900 z^{102}$ $+ 1841389205492990408190 z^{100} + 39458340121380013684500 z^{98}$ $+ 679512647111069705139375 z^{96} + 9534085140858438255749520 z^{94}$ $+ 110247317859386212544021640 z^{92}$ $+ 1060908672549915479298096784 z^{90}$ $+ 8566409745084214627225808445 z^{88}$ $+ 58453148848816244693341365660 z^{86}$ $+ 339121046099072864710976648170 z^{84}$ $+ 1681615884354723533670557080140 z^{82}$ $+ 7159803015310345612955174299383 z^{80}$ $+ 26277558104971633819915877391480 z^{78}$ $+ 83415969333224132339001592348140 z^{76}$ $+ 229696147439312626496564585772600 z^{74}$ $+ 550008239568779576914466749098825 z^{72}$ $+ 1147609028847184602103572466629252 z^{70}$ $+ 2090102416791817363829376338685630 z^{68}$ $+ 3327221038051544974854477787090740 z^{66}$ $+ 4634343588714651925744074706940115 z^{64}$	



{ [120, 2, 115] }	$x^5 + x^3 + x^2 + 1$	$ \begin{aligned} &+ 5652048805111153597478000915462880 z^{62} \\ &+ 6038431802522708414313534058514544 z^{60} \\ &+ 5652048805111153597478000915462880 z^{58} \\ &+ 4634343588714651925744074706940115 z^{56} \\ &+ 3327221038051544974854477787090740 z^{54} \\ &+ 2090102416791817363829376338685630 z^{52} \\ &+ 1147609028847184602103572466629252 z^{50} \\ &+ 550008239568779576914466749098825 z^{48} \\ &+ 229696147439312626496564585772600 z^{46} \\ &+ 83415969333224132339001592348140 z^{44} \\ &+ 26277558104971633819915877391480 z^{42} \\ &+ 7159803015310345612955174299383 z^{40} \\ &+ 1681615884354723533670557080140 z^{38} \\ &+ 339121046099072864710976648170 z^{36} \\ &+ 58453148848816244693341365660 z^{34} \\ &+ 8566409745084214627225808445 z^{32} \\ &+ 1060908672549915479298096784 z^{30} \\ &+ 110247317859386212544021640 z^{28} + 9534085140858438255749520 z^{26} \\ &+ 679512647111069705139375 z^{24} + 39458340121380013684500 z^{22} \\ &+ 1841389205492990408190 z^{20} + 67921558816825236900 z^{18} \\ &+ 1940253632205334125 z^{16} + 41838352110224520 z^{14} \\ &+ 658929057331540 z^{12} + 7254244525512 z^{10} + 52514304915 z^8 \\ &+ 228417420 z^6 + 526170 z^4 + 540 z^2 + 1 \end{aligned} $	{ [60, $\sqrt{30}$ ] }
		$ \begin{aligned} &z^{120} + 1140 z^{118} + 570570 z^{116} + 229029060 z^{114} + 52504218195 z^{112} \\ &+ 7254198448536 z^{110} + 658930208996020 z^{108} + 41838348439283160 z^{106} \\ &+ 1940253597581491245 z^{104} + 67921559169481393740 z^{102} \\ &+ 1841389204388065508046 z^{100} + 39458340119738931116700 z^{98} \\ &+ 679512647138560759836975 z^{96} + 9534085140752726474840880 z^{94} \\ &+ 110247317859522915049817160 z^{92} \\ &+ 1060908672550424646959938096 z^{90} \\ &+ 8566409745080984543032291005 z^{88} \end{aligned} $	

$\{[120, 2, 115]\}$ 

$$x^5 + x^4 + x^3 + x^2 + x + 1$$

$$\begin{aligned} &+ 58453148848824722774135626740 z^{86} \\ &+ 339121046099062731855152694490 z^{84} \\ &+ 1681615884354713165356386853380 z^{82} \\ &+ 7159803015310420909581523003191 z^{80} \\ &+ 26277558104971461599912677617960 z^{78} \\ &+ 83415969333224337436157424816780 z^{76} \\ &+ 229696147439312618376993485149800 z^{74} \\ &+ 550008239568779065453867313817225 z^{72} \\ &+ 1147609028847185771645925199943916 z^{70} \\ &+ 2090102416791815891889056450325390 z^{68} \\ &+ 3327221038051545906393298513325820 z^{66} \\ &+ 4634343588714652360556761470766035 z^{64} \\ &+ 5652048805111151678224471394159520 z^{62} \\ &+ 6038431802522710977102204543999216 z^{60} \\ &+ 5652048805111151678224471394159520 z^{58} \\ &+ 4634343588714652360556761470766035 z^{56} \\ &+ 3327221038051545906393298513325820 z^{54} \\ &+ 2090102416791815891889056450325390 z^{52} \\ &+ 1147609028847185771645925199943916 z^{50} \\ &+ 550008239568779065453867313817225 z^{48} \\ &+ 229696147439312618376993485149800 z^{46} \\ &+ 83415969333224337436157424816780 z^{44} \\ &+ 26277558104971461599912677617960 z^{42} \\ &+ 7159803015310420909581523003191 z^{40} \\ &+ 1681615884354713165356386853380 z^{38} \\ &+ 339121046099062731855152694490 z^{36} \\ &+ 58453148848824722774135626740 z^{34} \\ &+ 8566409745080984543032291005 z^{32} \\ &+ 1060908672550424646959938096 z^{30} \\ &+ 110247317859522915049817160 z^{28} + 9534085140752726474840880 z^{26} \\ &+ 679512647138560759836975 z^{24} + 39458340119738931116700 z^{22} \end{aligned}$$

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

		$+1841389204388065508046 z^{20} + 67921559169481393740 z^{18}$ $+1940253597581491245 z^{16} + 41838348439283160 z^{14}$ $+658930208996020 z^{12} + 7254198448536 z^{10} + 52504218195 z^8$ $+229029060 z^6 + 570570 z^4 + 1140 z^2 + 1$	
$\{[120, 2, 115]\}$	$x^5 + x^4 + x^2 + 1$	$z^{120} + 420 z^{118} + 513450 z^{116} + 228307380 z^{114} + 52516085715 z^{112}$ $+ 7254265446456 z^{110} + 658928676026740 z^{108} + 41838353783842680 z^{106}$ $+ 1940253635737284525 z^{104} + 67921558758335029020 z^{102}$ $+ 1841389205620214703726 z^{100} + 39458340122446552589100 z^{98}$ $+ 679512647101639019043375 z^{96} + 9534085140893751778823280 z^{94}$ $+ 110247317859324375467580360 z^{92}$ $+ 1060908672549865686076825456 z^{90}$ $+ 8566409745084826137325084605 z^{88}$ $+ 58453148848814573588687003940 z^{86}$ $+ 339121046099074469338545839290 z^{84}$ $+ 1681615884354727865205323553780 z^{82}$ $+ 7159803015310323848872574869431 z^{80}$ $+ 26277558104971681333804462586760 z^{78}$ $+ 83415969333224075058863780626380 z^{76}$ $+ 229696147439312635566371099795400 z^{74}$ $+ 550008239568779697912706420290825 z^{72}$ $+ 1147609028847184314608661597163836 z^{70}$ $+ 2090102416791817730864267575510830 z^{68}$ $+ 3327221038051544737547740414491660 z^{66}$ $+ 4634343588714651827046309185610195 z^{64}$ $+ 5652048805111154063048993901269280 z^{62}$ $+ 6038431802522707789441243542164976 z^{60}$ $+ 5652048805111154063048993901269280 z^{58}$ $+ 4634343588714651827046309185610195 z^{56}$ $+ 3327221038051544737547740414491660 z^{54}$ $+ 2090102416791817730864267575510830 z^{52}$ $+ 1147609028847184314608661597163836 z^{50}$	$\{[60, \sqrt{30}]\}$

		$ \begin{aligned} &+550008239568779697912706420290825 z^{48} \\ &+229696147439312635566371099795400 z^{46} \\ &+83415969333224075058863780626380 z^{44} \\ &+26277558104971681333804462586760 z^{42} \\ &+7159803015310323848872574869431 z^{40} \\ &+1681615884354727865205323553780 z^{38} \\ &+339121046099074469338545839290 z^{36} \\ &+58453148848814573588687003940 z^{34} \\ &+8566409745084826137325084605 z^{32} \\ &+1060908672549865686076825456 z^{30} \\ &+110247317859324375467580360 z^{28} + 9534085140893751778823280 z^{26} \\ &+679512647101639019043375 z^{24} + 39458340122446552589100 z^{22} \\ &+1841389205620214703726 z^{20} + 67921558758335029020 z^{18} \\ &+1940253635737284525 z^{16} + 41838353783842680 z^{14} \\ &+658928676026740 z^{12} + 7254265446456 z^{10} + 52516085715 z^8 \\ &+228307380 z^6 + 513450 z^4 + 420 z^2 + 1 \end{aligned} $	
		$ \begin{aligned} &z^{120} + 840 z^{118} + 623370 z^{116} + 237323240 z^{114} + 52832121555 z^{112} \\ &+ 7258877847024 z^{110} + 658943854601780 z^{108} + 41838122397705840 z^{106} \\ &+ 1940252421050087085 z^{104} + 67921566518877480120 z^{102} \\ &+ 1841389236183935588238 z^{100} + 39458339913992438496600 z^{98} \\ &+ 679512646871359458608175 z^{96} + 9534085144329829933409760 z^{94} \\ &+ 110247317855738701906069320 z^{92} \\ &+ 1060908672522134433933312992 z^{90} \\ &+ 8566409745168992080389847485 z^{88} \\ &+ 58453148848850611731747479880 z^{86} \\ &+ 339121046098496332472103917850 z^{84} \\ &+ 1681615884355594657659535703400 z^{82} \\ &+ 7159803015311381406873986875575 z^{80} \\ &+ 26277558104966540695433966298000 z^{78} \\ &+ 83415969333228893945851751071500 z^{76} \\ &+ 229696147439320078241496496285200 z^{74} \end{aligned} $	

$\{[120, 2, 115]\}$	$x^5 + x^4 + x + 1$	$ \begin{aligned} &+ 550008239568756545594801719958025 z^{72} \\ &+ 1147609028847200338864430005847544 z^{70} \\ &+ 2090102416791841080394166185208910 z^{68} \\ &+ 3327221038051488408644090964947480 z^{66} \\ &+ 4634343588714683975689801197534675 z^{64} \\ &+ 5652048805111191331440805170446400 z^{62} \\ &+ 6038431802522632052124940724365040 z^{60} \\ &+ 5652048805111191331440805170446400 z^{58} \\ &+ 4634343588714683975689801197534675 z^{56} \\ &+ 3327221038051488408644090964947480 z^{54} \\ &+ 2090102416791841080394166185208910 z^{52} \\ &+ 1147609028847200338864430005847544 z^{50} \\ &+ 550008239568756545594801719958025 z^{48} \\ &+ 229696147439320078241496496285200 z^{46} \\ &+ 83415969333228893945851751071500 z^{44} \\ &+ 26277558104966540695433966298000 z^{42} \\ &+ 7159803015311381406873986875575 z^{40} \\ &+ 1681615884355594657659535703400 z^{38} \\ &+ 339121046098496332472103917850 z^{36} \\ &+ 58453148848850611731747479880 z^{34} \\ &+ 8566409745168992080389847485 z^{32} \\ &+ 1060908672522134433933312992 z^{30} \\ &+ 110247317855738701906069320 z^{28} + 9534085144329829933409760 z^{26} \\ &+ 679512646871359458608175 z^{24} + 39458339913992438496600 z^{22} \\ &+ 1841389236183935588238 z^{20} + 67921566518877480120 z^{18} \\ &+ 1940252421050087085 z^{16} + 41838122397705840 z^{14} \\ &+ 658943854601780 z^{12} + 7258877847024 z^{10} + 52832121555 z^8 \\ &+ 237323240 z^6 + 623370 z^4 + 840 z^2 + 1 \end{aligned} $	$\{[60, \sqrt{30}]\}$
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