

$\{[n, q, k]\}$	Generator Polynomial	Weight Numerator	$\{\text{Avg Wt, Std}\}$
$\{[3, 2, 0]\}$	0	$\frac{1}{8} z^3 + \frac{3}{8} z^2 + \frac{3}{8} z + \frac{1}{8}$	$\left\{ \left[ \frac{3}{2}, \frac{\sqrt{3}}{2} \right] \right\}$
$\{[4, 2, 1]\}$	$x^3 + x^2 + x + 1$	$z^4 + 1$	$\{[2, 2]\}$
$\{[6, 2, 3]\}$	$x^3 + 1$	$z^6 + 3 z^4 + 3 z^2 + 1$	$\{[3, \sqrt{3}]\}$
$\{[7, 2, 4]\}$	$x^3 + x + 1$	$z^7 + 7 z^4 + 7 z^3 + 1$	$\left\{ \left[ \frac{7}{2}, \frac{\sqrt{7}}{2} \right] \right\}$
$\{[7, 2, 4]\}$	$x^3 + x^2 + 1$	$z^7 + 7 z^4 + 7 z^3 + 1$	$\left\{ \left[ \frac{7}{2}, \frac{\sqrt{7}}{2} \right] \right\}$
$\{[8, 2, 5]\}$	$x^3 + x^2 + x + 1$	$z^8 + 4 z^6 + 22 z^4 + 4 z^2 + 1$	$\{[4, \sqrt{2}]\}$
$\{[9, 2, 6]\}$	$x^3 + 1$	$27 z^6 + 27 z^4 + 9 z^2 + 1$	$\left\{ \left[ \frac{9}{2}, \frac{3}{2} \right] \right\}$
$\{[12, 2, 9]\}$	$x^3 + 1$	$z^{12} + 18 z^{10} + 111 z^8 + 252 z^6 + 111 z^4 + 18 z^2 + 1$	$\{[6, \sqrt{3}]\}$
$\{[12, 2, 9]\}$	$x^3 + x^2 + x + 1$	$z^{12} + 12 z^{10} + 135 z^8 + 216 z^6 + 135 z^4 + 12 z^2 + 1$	$\{[6, \sqrt{3}]\}$
$\{[14, 2, 11]\}$	$x^3 + x + 1$	$z^{14} + 7 z^{12} + 56 z^{11} + 133 z^{10} + 224 z^9 + 371 z^8 + 464 z^7 + 371 z^6 + 224 z^5 + 133 z^4 + 56 z^3 + 7 z^2 + 1$	$\left\{ \left[ 7, \frac{\sqrt{14}}{2} \right] \right\}$
$\{[14, 2, 11]\}$	$x^3 + x^2 + 1$	$z^{14} + 7 z^{12} + 56 z^{11} + 133 z^{10} + 224 z^9 + 371 z^8 + 464 z^7 + 371 z^6 + 224 z^5 + 133 z^4 + 56 z^3 + 7 z^2 + 1$	$\left\{ \left[ 7, \frac{\sqrt{14}}{2} \right] \right\}$
$\{[15, 2, 12]\}$	$x^3 + 1$	$125 z^{12} + 750 z^{10} + 1575 z^8 + 1300 z^6 + 315 z^4 + 30 z^2 + 1$	$\left\{ \left[ \frac{15}{2}, \frac{\sqrt{15}}{2} \right] \right\}$
$\{[16, 2, 13]\}$	$x^3 + x^2 + x + 1$	$z^{16} + 24 z^{14} + 476 z^{12} + 1960 z^{10} + 3270 z^8 + 1960 z^6 + 476 z^4 + 24 z^2 + 1$	$\{[8, 2]\}$
$\{[18, 2, 15]\}$	$x^3 + 1$	$z^{18} + 45 z^{16} + 720 z^{14} + 4728 z^{12} + 10890 z^{10} + 10890 z^8 + 4728 z^6 + 720 z^4 + 45 z^2 + 1$	$\left\{ \left[ 9, \frac{3\sqrt{2}}{2} \right] \right\}$
$\{[20, 2, 17]\}$	$x^3 + x^2 + x + 1$	$z^{20} + 40 z^{18} + 1245 z^{16} + 9600 z^{14} + 31650 z^{12} + 46000 z^{10} + 31650 z^8 + 9600 z^6 + 1245 z^4 + 40 z^2 + 1$	$\{[10, \sqrt{5}]\}$
$\{[21, 2, 18]\}$	$x^3 + 1$	$343 z^{18} + 5145 z^{16} + 28812 z^{14} + 73892 z^{12} + 87906 z^{10} + 50862 z^8 + 13692 z^6 + 1428 z^4$	

		$+63z^2+1$	$\left\{ \left[ \frac{21}{2}, \frac{\sqrt{21}}{2} \right] \right\}$
$\{[21, 2, 18]\}$	$x^3+x+1$	$z^{21}+21z^{19}+189z^{18}+756z^{17}+2457z^{16}+6804z^{15}+14724z^{14}+25326z^{13}$ $+36484z^{12}+44310z^{11}+44310z^{10}+36484z^9+25326z^8+14724z^7+6804z^6$ $+2457z^5+756z^4+189z^3+21z^2+1$	$\left\{ \left[ \frac{21}{2}, \frac{\sqrt{21}}{2} \right] \right\}$
$\{[21, 2, 18]\}$	$x^3+x^2+1$	$z^{21}+21z^{19}+189z^{18}+756z^{17}+2457z^{16}+6804z^{15}+14724z^{14}+25326z^{13}$ $+36484z^{12}+44310z^{11}+44310z^{10}+36484z^9+25326z^8+14724z^7+6804z^6$ $+2457z^5+756z^4+189z^3+21z^2+1$	$\left\{ \left[ \frac{21}{2}, \frac{\sqrt{21}}{2} \right] \right\}$
$\{[24, 2, 21]\}$	$x^3+1$	$z^{24}+84z^{22}+2562z^{20}+33796z^{18}+184047z^{16}+489384z^{14}+677404z^{12}+489384z^{10}$ $+184047z^8+33796z^6+2562z^4+84z^2+1$	$\{[12, \sqrt{6}]\}$
$\{[24, 2, 21]\}$	$x^3+x^2+x+1$	$z^{24}+60z^{22}+2706z^{20}+33484z^{18}+184239z^{16}+489720z^{14}+676732z^{12}+489720z^{10}$ $+184239z^8+33484z^6+2706z^4+60z^2+1$	$\{[12, \sqrt{6}]\}$
$\{[27, 2, 24]\}$	$x^3+1$	$729z^{24}+20412z^{22}+221130z^{20}+1172988z^{18}+3259359z^{16}+5012280z^{14}$ $+4349484z^{12}+2106648z^{10}+555687z^8+74124z^6+4266z^4+108z^2+1$	$\left\{ \left[ \frac{27}{2}, \frac{3\sqrt{3}}{2} \right] \right\}$
$\{[28, 2, 25]\}$	$x^3+x+1$	$z^{28}+42z^{26}+448z^{25}+2555z^{24}+12096z^{23}+47236z^{22}+148544z^{21}+387849z^{20}$ $+862400z^{19}+1642102z^{18}+2685312z^{17}+3799803z^{16}+4679808z^{15}$ $+5018040z^{14}+4679808z^{13}+3799803z^{12}+2685312z^{11}+1642102z^{10}$ $+862400z^9+387849z^8+148544z^7+47236z^6+12096z^5+2555z^4+448z^3$ $+42z^2+1$	$\{[14, \sqrt{7}]\}$
$\{[28, 2, 25]\}$	$x^3+x^2+x+1$	$z^{28}+84z^{26}+5187z^{24}+93912z^{22}+777777z^{20}+3279276z^{18}+7607691z^{16}$ $+10026576z^{14}+7607691z^{12}+3279276z^{10}+777777z^8+93912z^6+5187z^4$ $+84z^2+1$	$\{[14, \sqrt{7}]\}$
$\{[28, 2, 25]\}$	$x^3+x^2+1$	$z^{28}+42z^{26}+448z^{25}+2555z^{24}+12096z^{23}+47236z^{22}+148544z^{21}+387849z^{20}$ $+862400z^{19}+1642102z^{18}+2685312z^{17}+3799803z^{16}+4679808z^{15}$ $+5018040z^{14}+4679808z^{13}+3799803z^{12}+2685312z^{11}+1642102z^{10}$ $+862400z^9+387849z^8+148544z^7+47236z^6+12096z^5+2555z^4+448z^3$ $+42z^2+1$	$\{[14, \sqrt{7}]\}$
$\{[30, 2, 27]\}$	$x^3+1$	$z^{30}+135z^{28}+6705z^{26}+148455z^{24}+1464885z^{22}+7506003z^{20}+21630645z^{18}$ $+36352035z^{16}+36352035z^{14}+21630645z^{12}+7506003z^{10}+1464885z^8$	$\left\{ \left[ 15, \frac{\sqrt{30}}{2} \right] \right\}$

		$+148455 z^6 + 6705 z^4 + 135 z^2 + 1$	
$\{[32, 2, 29]\}$	$x^3 + x^2 + x + 1$	$z^{32} + 112 z^{30} + 9080 z^{28} + 226128 z^{26} + 2630940 z^{24} + 16124784 z^{22} + 56454216 z^{20}$ $+ 117850320 z^{18} + 150279750 z^{16} + 117850320 z^{14} + 56454216 z^{12}$ $+ 16124784 z^{10} + 2630940 z^8 + 226128 z^6 + 9080 z^4 + 112 z^2 + 1$	$\{[16, 2\sqrt{2}]\}$
$\{[33, 2, 30]\}$	$x^3 + 1$	$1331 z^{30} + 59895 z^{28} + 1066131 z^{26} + 9643095 z^{24} + 48391167 z^{22} + 143269203 z^{20}$ $+ 259320303 z^{18} + 291681027 z^{16} + 204701145 z^{14} + 88716837 z^{12}$ $+ 23130393 z^{10} + 3474405 z^8 + 276661 z^6 + 10065 z^4 + 165 z^2 + 1$	$\left\{ \left[ \frac{33}{2}, \frac{\sqrt{33}}{2} \right] \right\}$
$\{[35, 2, 32]\}$	$x^3 + x + 1$	$z^{35} + 70 z^{33} + 875 z^{32} + 6510 z^{31} + 40250 z^{30} + 203350 z^{29} + 841650 z^{28} + 2939650 z^{27}$ $+ 8823850 z^{26} + 22954750 z^{25} + 52154830 z^{24} + 104290550 z^{23} + 184545410 z^{22}$ $+ 290019950 z^{21} + 405979882 z^{20} + 507462340 z^{19} + 567219730 z^{18}$ $+ 567219730 z^{17} + 507462340 z^{16} + 405979882 z^{15} + 290019950 z^{14}$ $+ 184545410 z^{13} + 104290550 z^{12} + 52154830 z^{11} + 22954750 z^{10} + 8823850 z^9$ $+ 2939650 z^8 + 841650 z^7 + 203350 z^6 + 40250 z^5 + 6510 z^4 + 875 z^3 + 70 z^2 + 1$	$\left\{ \left[ \frac{35}{2}, \frac{\sqrt{35}}{2} \right] \right\}$
$\{[35, 2, 32]\}$	$x^3 + x^2 + 1$	$z^{35} + 70 z^{33} + 875 z^{32} + 6510 z^{31} + 40250 z^{30} + 203350 z^{29} + 841650 z^{28} + 2939650 z^{27}$ $+ 8823850 z^{26} + 22954750 z^{25} + 52154830 z^{24} + 104290550 z^{23} + 184545410 z^{22}$ $+ 290019950 z^{21} + 405979882 z^{20} + 507462340 z^{19} + 567219730 z^{18}$ $+ 567219730 z^{17} + 507462340 z^{16} + 405979882 z^{15} + 290019950 z^{14}$ $+ 184545410 z^{13} + 104290550 z^{12} + 52154830 z^{11} + 22954750 z^{10} + 8823850 z^9$ $+ 2939650 z^8 + 841650 z^7 + 203350 z^6 + 40250 z^5 + 6510 z^4 + 875 z^3 + 70 z^2 + 1$	$\left\{ \left[ \frac{35}{2}, \frac{\sqrt{35}}{2} \right] \right\}$
$\{[36, 2, 33]\}$	$x^3 + 1$	$z^{36} + 198 z^{34} + 14553 z^{32} + 486288 z^{30} + 7571124 z^{28} + 63530280 z^{26} + 312936132 z^{24}$ $+ 949090032 z^{22} + 1826896302 z^{20} + 2268884772 z^{18} + 1826896302 z^{16}$ $+ 949090032 z^{14} + 312936132 z^{12} + 63530280 z^{10} + 7571124 z^8 + 486288 z^6$ $+ 14553 z^4 + 198 z^2 + 1$	$\{[18, 3]\}$
$\{[36, 2, 33]\}$	$x^3 + x^2 + x + 1$	$z^{36} + 144 z^{34} + 14841 z^{32} + 486336 z^{30} + 7567380 z^{28} + 63540288 z^{26} + 312933348 z^{24}$ $+ 949050432 z^{22} + 1827000846 z^{20} + 2268747360 z^{18} + 1827000846 z^{16}$ $+ 949050432 z^{14} + 312933348 z^{12} + 63540288 z^{10} + 7567380 z^8 + 486336 z^6$ $+ 14841 z^4 + 144 z^2 + 1$	$\{[18, 3]\}$
$\{[39, 2, 36]\}$	$x^3 + 1$	$2197 z^{36} + 145002 z^{34} + 3842553 z^{32} + 52974064 z^{30} + 419055780 z^{28}$ $+ 2030502552 z^{26} + 6285329700 z^{24} + 12755268240 z^{22} + 17230643430 z^{20}$ $+ 15590057340 z^{18} + 9427609230 z^{16} + 3771195792 z^{14} + 977713204 z^{12}$	$\left\{ \left[ \frac{39}{2}, \frac{\sqrt{39}}{2} \right] \right\}$

		$+158911896 z^{10} + 15390804 z^8 + 814320 z^6 + 20397 z^4 + 234 z^2 + 1$	
$\{[40, 2, 37]\}$	$x^3 + x^2 + x + 1$	$z^{40} + 180 z^{38} + 22990 z^{36} + 958740 z^{34} + 19229805 z^{32} + 211903504 z^{30}$ $+ 1396742440 z^{28} + 5801674320 z^{26} + 15713119890 z^{24} + 28344939480 z^{22}$ $+ 34461770772 z^{20} + 28344939480 z^{18} + 15713119890 z^{16} + 5801674320 z^{14}$ $+ 1396742440 z^{12} + 211903504 z^{10} + 19229805 z^8 + 958740 z^6 + 22990 z^4 + 180 z^2$ $+ 1$	$\{[20, \sqrt{10}]\}$
$\{[42, 2, 39]\}$	$x^3 + 1$	$z^{42} + 273 z^{40} + 27846 z^{38} + 1309126 z^{36} + 29522493 z^{34} + 367828461 z^{32}$ $+ 2764521032 z^{30} + 13215258696 z^{28} + 41626931346 z^{26} + 88424888370 z^{24}$ $+ 128447619300 z^{22} + 128447619300 z^{20} + 88424888370 z^{18} + 41626931346 z^{16}$ $+ 13215258696 z^{14} + 2764521032 z^{12} + 367828461 z^{10} + 29522493 z^8$ $+ 1309126 z^6 + 27846 z^4 + 273 z^2 + 1$	$\left\{ \left[ 21, \frac{\sqrt{42}}{2} \right] \right\}$
$\{[42, 2, 39]\}$	$x^3 + x + 1$	$z^{42} + 105 z^{40} + 1512 z^{39} + 13902 z^{38} + 105840 z^{37} + 656782 z^{36} + 3373992 z^{35}$ $+ 14747733 z^{34} + 55733888 z^{33} + 183952461 z^{32} + 535065888 z^{31}$ $+ 1382207848 z^{30} + 3189877824 z^{29} + 6607634664 z^{28} + 12333940640 z^{27}$ $+ 20813571954 z^{26} + 31832970624 z^{25} + 44212270466 z^{24} + 55846570416 z^{23}$ $+ 64223897556 z^{22} + 67282625696 z^{21} + 64223897556 z^{20} + 55846570416 z^{19}$ $+ 44212270466 z^{18} + 31832970624 z^{17} + 20813571954 z^{16} + 12333940640 z^{15}$ $+ 6607634664 z^{14} + 3189877824 z^{13} + 1382207848 z^{12} + 535065888 z^{11}$ $+ 183952461 z^{10} + 55733888 z^9 + 14747733 z^8 + 3373992 z^7 + 656782 z^6$ $+ 105840 z^5 + 13902 z^4 + 1512 z^3 + 105 z^2 + 1$	$\left\{ \left[ 21, \frac{\sqrt{42}}{2} \right] \right\}$
$\{[42, 2, 39]\}$	$x^3 + x^2 + 1$	$z^{42} + 105 z^{40} + 1512 z^{39} + 13902 z^{38} + 105840 z^{37} + 656782 z^{36} + 3373992 z^{35}$ $+ 14747733 z^{34} + 55733888 z^{33} + 183952461 z^{32} + 535065888 z^{31}$ $+ 1382207848 z^{30} + 3189877824 z^{29} + 6607634664 z^{28} + 12333940640 z^{27}$ $+ 20813571954 z^{26} + 31832970624 z^{25} + 44212270466 z^{24} + 55846570416 z^{23}$ $+ 64223897556 z^{22} + 67282625696 z^{21} + 64223897556 z^{20} + 55846570416 z^{19}$ $+ 44212270466 z^{18} + 31832970624 z^{17} + 20813571954 z^{16} + 12333940640 z^{15}$ $+ 6607634664 z^{14} + 3189877824 z^{13} + 1382207848 z^{12} + 535065888 z^{11}$ $+ 183952461 z^{10} + 55733888 z^9 + 14747733 z^8 + 3373992 z^7 + 656782 z^6$ $+ 105840 z^5 + 13902 z^4 + 1512 z^3 + 105 z^2 + 1$	$\left\{ \left[ 21, \frac{\sqrt{42}}{2} \right] \right\}$
		$z^{44} + 220 z^{42} + 34111 z^{40} + 1763608 z^{38} + 44313643 z^{36} + 620294444 z^{34}$	

$\{[44, 2, 41]\}$	$x^3+x^2+x+1$	$+5272726613 z^{32}+28738824224 z^{30}+104178941306 z^{28}+257382301176 z^{26}$ $+440260322502 z^{24}+526024211856 z^{22}+440260322502 z^{20}$ $+257382301176 z^{18}+104178941306 z^{16}+28738824224 z^{14}+5272726613 z^{12}$ $+620294444 z^{10}+44313643 z^8+1763608 z^6+34111 z^4+220 z^2+1$	$\{[22, \sqrt{11}]\}$
$\{[45, 2, 42]\}$	$x^3+1$	$3375 z^{42}+307125 z^{40}+11343150 z^{38}+221512850 z^{36}+2537790255 z^{34}$ $+18251263485 z^{32}+86216998152 z^{30}+275767828920 z^{28}+609588653310 z^{26}$ $+943416355050 z^{24}+1029177314100 z^{22}+792467600652 z^{20}$ $+428972253430 z^{18}+161655553890 z^{16}+41718308040 z^{14}+7189935480 z^{12}$ $+797510259 z^{10}+53909505 z^8+2032590 z^6+37170 z^4+315 z^2+1$	$\left\{\left[\frac{45}{2}, \frac{3\sqrt{5}}{2}\right]\right\}$
$\{[48, 2, 45]\}$	$x^3+1$	$z^{48}+360 z^{46}+48660 z^{44}+3062424 z^{42}+94365570 z^{40}+1635147384 z^{38}$ $+17416931012 z^{36}+120581130120 z^{34}+563710271727 z^{32}$ $+1827460895632 z^{30}+4183921194792 z^{28}+6846408591984 z^{26}$ $+8061908809500 z^{24}+6846408591984 z^{22}+4183921194792 z^{20}$ $+1827460895632 z^{18}+563710271727 z^{16}+120581130120 z^{14}$ $+17416931012 z^{12}+1635147384 z^{10}+94365570 z^8+3062424 z^6+48660 z^4$ $+360 z^2+1$	$\{[24, 2\sqrt{3}]\}$
$\{[48, 2, 45]\}$	$x^3+x^2+x+1$	$z^{48}+264 z^{46}+48852 z^{44}+3066360 z^{42}+94345218 z^{40}+1635147096 z^{38}$ $+17417234564 z^{36}+120579896232 z^{34}+563712780015 z^{32}$ $+1827458269648 z^{30}+4183921333416 z^{28}+6846412448304 z^{26}$ $+8061902948892 z^{24}+6846412448304 z^{22}+4183921333416 z^{20}$ $+1827458269648 z^{18}+563712780015 z^{16}+120579896232 z^{14}$ $+17417234564 z^{12}+1635147096 z^{10}+94345218 z^8+3066360 z^6+48852 z^4$ $+264 z^2+1$	$\{[24, 2\sqrt{3}]\}$
$\{[49, 2, 46]\}$	$x^3+x+1$	$z^{49}+147 z^{47}+2401 z^{46}+26313 z^{45}+237699 z^{44}+1750035 z^{43}+10739673 z^{42}$ $+56359359 z^{41}+256807187 z^{40}+1027280541 z^{39}+3641955135 z^{38}$ $+11532815567 z^{37}+32824779981 z^{36}+84406417893 z^{35}+196947006879 z^{34}$ $+418513202730 z^{33}+812410135173 z^{32}+1444282563934 z^{31}$ $+2356458269802 z^{30}+3534691345626 z^{29}+4881243043390 z^{28}$ $+6212485485822 z^{27}+7292916183546 z^{26}+7900665679998 z^{25}$ $+7900665679998 z^{24}+7292916183546 z^{23}+6212485485822 z^{22}$	$\left\{\left[\frac{49}{2}, \frac{7}{2}\right]\right\}$

		$+4881243043390 z^{21} + 3534691345626 z^{20} + 2356458269802 z^{19}$ $+1444282563934 z^{18} + 812410135173 z^{17} + 418513202730 z^{16}$ $+196947006879 z^{15} + 84406417893 z^{14} + 32824779981 z^{13} + 11532815567 z^{12}$ $+3641955135 z^{11} + 1027280541 z^{10} + 256807187 z^9 + 56359359 z^8 + 10739673 z^7$ $+1750035 z^6 + 237699 z^5 + 26313 z^4 + 2401 z^3 + 147 z^2 + 1$	
$\{[49, 2, 46]\}$	$x^3 + x^2 + 1$	$z^{49} + 147 z^{47} + 2401 z^{46} + 26313 z^{45} + 237699 z^{44} + 1750035 z^{43} + 10739673 z^{42}$ $+ 56359359 z^{41} + 256807187 z^{40} + 1027280541 z^{39} + 3641955135 z^{38}$ $+ 11532815567 z^{37} + 32824779981 z^{36} + 84406417893 z^{35} + 196947006879 z^{34}$ $+ 418513202730 z^{33} + 812410135173 z^{32} + 1444282563934 z^{31}$ $+ 2356458269802 z^{30} + 3534691345626 z^{29} + 4881243043390 z^{28}$ $+ 6212485485822 z^{27} + 7292916183546 z^{26} + 7900665679998 z^{25}$ $+ 7900665679998 z^{24} + 7292916183546 z^{23} + 6212485485822 z^{22}$ $+ 4881243043390 z^{21} + 3534691345626 z^{20} + 2356458269802 z^{19}$ $+ 1444282563934 z^{18} + 812410135173 z^{17} + 418513202730 z^{16}$ $+ 196947006879 z^{15} + 84406417893 z^{14} + 32824779981 z^{13} + 11532815567 z^{12}$ $+ 3641955135 z^{11} + 1027280541 z^{10} + 256807187 z^9 + 56359359 z^8 + 10739673 z^7$ $+ 1750035 z^6 + 237699 z^5 + 26313 z^4 + 2401 z^3 + 147 z^2 + 1$	$\left\{ \left[ \frac{49}{2}, \frac{7}{2} \right] \right\}$
$\{[51, 2, 48]\}$	$x^3 + 1$	$4913 z^{48} + 589560 z^{46} + 28947396 z^{44} + 760493096 z^{42} + 11906842194 z^{40}$ $+ 119064589800 z^{38} + 797167913876 z^{36} + 3692772378744 z^{34}$ $+ 12114857651919 z^{32} + 28614175185200 z^{30} + 49198266148872 z^{28}$ $+ 61989803001360 z^{26} + 57398000037052 z^{24} + 39019297975632 z^{22}$ $+ 19383795406536 z^{20} + 6975228494704 z^{18} + 1793626603743 z^{16}$ $+ 323178344280 z^{14} + 39687898420 z^{12} + 3194419272 z^{10} + 159226386 z^8$ $+ 4494664 z^6 + 62628 z^4 + 408 z^2 + 1$	$\left\{ \left[ \frac{51}{2}, \frac{\sqrt{51}}{2} \right] \right\}$
$\{[52, 2, 49]\}$	$x^3 + x^2 + x + 1$	$z^{52} + 312 z^{50} + 67925 z^{48} + 5087680 z^{46} + 188145750 z^{44} + 3954956720 z^{42}$ $+ 51595024390 z^{40} + 442241092800 z^{38} + 2590799797235 z^{36}$ $+ 10667991997000 z^{34} + 31498660957335 z^{32} + 67633474113920 z^{30}$ $+ 106596252751300 z^{28} + 123979625436576 z^{26} + 106596252751300 z^{24}$ $+ 67633474113920 z^{22} + 31498660957335 z^{20} + 10667991997000 z^{18}$ $+ 2590799797235 z^{16} + 442241092800 z^{14} + 51595024390 z^{12} + 3954956720 z^{10}$ $+ 188145750 z^8 + 5087680 z^6 + 67925 z^4 + 312 z^2 + 1$	$\{[26, \sqrt{13}]\}$

$\{[54, 2, 51]\}$	$x^3+1$	$ \begin{aligned} & z^{54} + 459 z^{52} + 79407 z^{50} + 6446349 z^{48} + 260158446 z^{46} + 5982722586 z^{44} \\ & + 85750858890 z^{42} + 811346257854 z^{40} + 5273726341707 z^{38} \\ & + 24231585783513 z^{36} + 80346862180557 z^{34} + 195127998969735 z^{32} \\ & + 350664941055348 z^{30} + 469351445987772 z^{28} + 469351445987772 z^{26} \\ & + 350664941055348 z^{24} + 195127998969735 z^{22} + 80346862180557 z^{20} \\ & + 24231585783513 z^{18} + 5273726341707 z^{16} + 811346257854 z^{14} \\ & + 85750858890 z^{12} + 5982722586 z^{10} + 260158446 z^8 + 6446349 z^6 + 79407 z^4 \\ & + 459 z^2 + 1 \end{aligned} $	$\left\{ \left[ 27, \frac{3\sqrt{6}}{2} \right] \right\}$
$\{[56, 2, 53]\}$	$x^3+x+1$	$ \begin{aligned} & z^{56} + 196 z^{54} + 3584 z^{53} + 45626 z^{52} + 476672 z^{51} + 4062100 z^{50} + 28991488 z^{49} \\ & + 177537787 z^{48} + 947007488 z^{47} + 4450987352 z^{46} + 18612651008 z^{45} \\ & + 69797591332 z^{44} + 236239725568 z^{43} + 725592145432 z^{42} \\ & + 2031654023168 z^{41} + 5206118355977 z^{40} + 12249697230848 z^{39} \\ & + 26540997658252 z^{38} + 53081986574848 z^{37} + 98201701638502 z^{36} \\ & + 168345780044288 z^{35} + 267822788781212 z^{34} + 395911953317888 z^{33} \\ & + 544378992859387 z^{32} + 696805088960512 z^{31} + 830806006099216 z^{30} \\ & + 923117824677888 z^{29} + 956086371845752 z^{28} + 923117824677888 z^{27} \\ & + 830806006099216 z^{26} + 696805088960512 z^{25} + 544378992859387 z^{24} \\ & + 395911953317888 z^{23} + 267822788781212 z^{22} + 168345780044288 z^{21} \\ & + 98201701638502 z^{20} + 53081986574848 z^{19} + 26540997658252 z^{18} \\ & + 12249697230848 z^{17} + 5206118355977 z^{16} + 2031654023168 z^{15} \\ & + 725592145432 z^{14} + 236239725568 z^{13} + 69797591332 z^{12} + 18612651008 z^{11} \\ & + 4450987352 z^{10} + 947007488 z^9 + 177537787 z^8 + 28991488 z^7 + 4062100 z^6 \\ & + 476672 z^5 + 45626 z^4 + 3584 z^3 + 196 z^2 + 1 \end{aligned} $	$\{[28, \sqrt{14}]\}$
$\{[56, 2, 53]\}$	$x^3+x^2+x+1$	$ \begin{aligned} & z^{56} + 364 z^{54} + 92106 z^{52} + 8114652 z^{50} + 355138875 z^{48} + 8901689160 z^{46} \\ & + 139596109380 z^{44} + 1451182102920 z^{42} + 10412240291145 z^{40} \\ & + 53081992263300 z^{38} + 196403400383190 z^{36} + 535645594460340 z^{34} \\ & + 1088757948640635 z^{32} + 1661612067945648 z^{30} + 1912172680277560 z^{28} \\ & + 1661612067945648 z^{26} + 1088757948640635 z^{24} + 535645594460340 z^{22} \\ & + 196403400383190 z^{20} + 53081992263300 z^{18} + 10412240291145 z^{16} \\ & + 1451182102920 z^{14} + 139596109380 z^{12} + 8901689160 z^{10} + 355138875 z^8 \\ & + 8114652 z^6 + 92106 z^4 + 364 z^2 + 1 \end{aligned} $	$\{[28, \sqrt{14}]\}$

$\{[56, 2, 53]\}$	$x^3 + x^2 + 1$	$ \begin{aligned} & z^{56} + 196 z^{54} + 3584 z^{53} + 45626 z^{52} + 476672 z^{51} + 4062100 z^{50} + 28991488 z^{49} \\ & + 177537787 z^{48} + 947007488 z^{47} + 4450987352 z^{46} + 18612651008 z^{45} \\ & + 69797591332 z^{44} + 236239725568 z^{43} + 725592145432 z^{42} \\ & + 2031654023168 z^{41} + 5206118355977 z^{40} + 12249697230848 z^{39} \\ & + 26540997658252 z^{38} + 53081986574848 z^{37} + 98201701638502 z^{36} \\ & + 168345780044288 z^{35} + 267822788781212 z^{34} + 395911953317888 z^{33} \\ & + 544378992859387 z^{32} + 696805088960512 z^{31} + 830806006099216 z^{30} \\ & + 923117824677888 z^{29} + 956086371845752 z^{28} + 923117824677888 z^{27} \\ & + 830806006099216 z^{26} + 696805088960512 z^{25} + 544378992859387 z^{24} \\ & + 395911953317888 z^{23} + 267822788781212 z^{22} + 168345780044288 z^{21} \\ & + 98201701638502 z^{20} + 53081986574848 z^{19} + 26540997658252 z^{18} \\ & + 12249697230848 z^{17} + 5206118355977 z^{16} + 2031654023168 z^{15} \\ & + 725592145432 z^{14} + 236239725568 z^{13} + 69797591332 z^{12} + 18612651008 z^{11} \\ & + 4450987352 z^{10} + 947007488 z^9 + 177537787 z^8 + 28991488 z^7 + 4062100 z^6 \\ & + 476672 z^5 + 45626 z^4 + 3584 z^3 + 196 z^2 + 1 \end{aligned} $	$\{[28, \sqrt{14}]\}$
$\{[57, 2, 54]\}$	$x^3 + 1$	$ \begin{aligned} & 6859 z^{54} + 1049427 z^{52} + 66113901 z^{50} + 2248922061 z^{48} + 46127913594 z^{46} \\ & + 612074100042 z^{44} + 5514489121374 z^{42} + 34911642715326 z^{40} \\ & + 159245957941113 z^{38} + 533094931336881 z^{36} + 1327469618384199 z^{34} \\ & + 2482367911450119 z^{32} + 3507847953893756 z^{30} + 3758408190183900 z^{28} \\ & + 3055222231617204 z^{26} + 1880581971128436 z^{24} + 872337035621133 z^{22} \\ & + 302567438561925 z^{20} + 77581370384427 z^{18} + 14475545062155 z^{16} \\ & + 1923665895018 z^{14} + 176819873850 z^{12} + 10795898382 z^{10} + 413148654 z^8 \\ & + 9058383 z^6 + 99351 z^4 + 513 z^2 + 1 \end{aligned} $	$\left\{ \left[ \frac{57}{2}, \frac{\sqrt{57}}{2} \right] \right\}$
$\{[60, 2, 57]\}$	$x^3 + 1$	$ \begin{aligned} & z^{60} + 570 z^{58} + 122835 z^{56} + 12498580 z^{54} + 639699885 z^{52} + 18848815518 z^{50} \\ & + 349837270575 z^{48} + 4336481397000 z^{46} + 37402090304445 z^{44} \\ & + 231257358649290 z^{42} + 1047961245789111 z^{40} + 3538569834103980 z^{38} \\ & + 9013097023769865 z^{36} + 17471541738454110 z^{34} + 25929985913571795 z^{32} \\ & + 29566146026960752 z^{30} + 25929985913571795 z^{28} + 17471541738454110 z^{26} \\ & + 9013097023769865 z^{24} + 3538569834103980 z^{22} + 1047961245789111 z^{20} \\ & + 231257358649290 z^{18} + 37402090304445 z^{16} + 4336481397000 z^{14} \\ & + 349837270575 z^{12} + 18848815518 z^{10} + 639699885 z^8 + 12498580 z^6 \end{aligned} $	$\{[30, \sqrt{15}]\}$



		$+122835 z^4 + 570 z^2 + 1$	
$\{[60, 2, 57]\}$	$x^3 + x^2 + x + 1$	$z^{60} + 420 z^{58} + 122235 z^{56} + 12512920 z^{54} + 639675765 z^{52} + 18848400012 z^{50}$ $+ 349840156575 z^{48} + 4336473135600 z^{46} + 37402098353325 z^{44}$ $+ 231257380704900 z^{42} + 1047961148985135 z^{40} + 3538569996397800 z^{38}$ $+ 9013096935413025 z^{36} + 17471541536155980 z^{34} + 25929986490475635 z^{32}$ $+ 29566145274877216 z^{30} + 25929986490475635 z^{28} + 17471541536155980 z^{26}$ $+ 9013096935413025 z^{24} + 3538569996397800 z^{22} + 1047961148985135 z^{20}$ $+ 231257380704900 z^{18} + 37402098353325 z^{16} + 4336473135600 z^{14}$ $+ 349840156575 z^{12} + 18848400012 z^{10} + 639675765 z^8 + 12512920 z^6$ $+ 122235 z^4 + 420 z^2 + 1$	$\{[30, \sqrt{15}]\}$
$\{[63, 2, 60]\}$	$x^3 + 1$	$9261 z^{60} + 1759590 z^{58} + 138362427 z^{56} + 5916560860 z^{54} + 153948263553 z^{52}$ $+ 2617111791378 z^{50} + 30532910686719 z^{48} + 253243803631896 z^{46}$ $+ 1532791017851625 z^{44} + 6904858733869494 z^{42} + 23498354177798031 z^{40}$ $+ 61095718477380132 z^{38} + 122365501721797565 z^{36}$ $+ 189877501145502450 z^{34} + 229078016514241587 z^{32}$ $+ 215194503170981712 z^{30} + 157327070984945847 z^{28}$ $+ 89293744407179970 z^{26} + 39163922868711585 z^{24} + 13182002902214244 z^{22}$ $+ 3372140609061651 z^{20} + 647178375389574 z^{18} + 91598804014221 z^{16}$ $+ 9346825122840 z^{14} + 667102398963 z^{12} + 31951944738 z^{10} + 968259285 z^8$ $+ 16964892 z^6 + 150255 z^4 + 630 z^2 + 1$	$\left\{ \left[ \frac{63}{2}, \frac{3\sqrt{7}}{2} \right] \right\}$
$\{[63, 2, 60]\}$	$x^3 + x + 1$	$z^{63} + 252 z^{61} + 5103 z^{60} + 74025 z^{59} + 877716 z^{58} + 8498784 z^{57} + 69159015 z^{56}$ $+ 484071777 z^{55} + 2958500160 z^{54} + 15975875916 z^{53} + 76973439375 z^{52}$ $+ 333552494457 z^{51} + 1308556055268 z^{50} + 4673409112800 z^{49}$ $+ 15266460370455 z^{48} + 45799401160485 z^{47} + 126621889238880 z^{46}$ $+ 323589216365100 z^{45} + 766395500769675 z^{44} + 1686070226017485 z^{43}$ $+ 3452429486291940 z^{42} + 6591001523904000 z^{41} + 11749176749064195 z^{40}$ $+ 19581961572436725 z^{39} + 30547859766094944 z^{38} + 44646871587555132 z^{37}$ $+ 61182750453661627 z^{36} + 78663536635960269 z^{35} + 94938750420079860 z^{34}$ $+ 107597250279519168 z^{33} + 114539009146768899 z^{32}$ $+ 114539009146768899 z^{31} + 107597250279519168 z^{30}$ $+ 94938750420079860 z^{29} + 78663536635960269 z^{28} + 61182750453661627 z^{27}$	$\left\{ \left[ \frac{63}{2}, \frac{3\sqrt{7}}{2} \right] \right\}$

		$ \begin{aligned} &+44646871587555132 z^{26} + 30547859766094944 z^{25} + 19581961572436725 z^{24} \\ &+ 11749176749064195 z^{23} + 6591001523904000 z^{22} + 3452429486291940 z^{21} \\ &+ 1686070226017485 z^{20} + 766395500769675 z^{19} + 323589216365100 z^{18} \\ &+ 126621889238880 z^{17} + 45799401160485 z^{16} + 15266460370455 z^{15} \\ &+ 4673409112800 z^{14} + 1308556055268 z^{13} + 333552494457 z^{12} \\ &+ 76973439375 z^{11} + 15975875916 z^{10} + 2958500160 z^9 + 484071777 z^8 \\ &+ 69159015 z^7 + 8498784 z^6 + 877716 z^5 + 74025 z^4 + 5103 z^3 + 252 z^2 + 1 \end{aligned} $	
$\{[63, 2, 60]\}$	$x^3 + x^2 + 1$	$ \begin{aligned} &z^{63} + 252 z^{61} + 5103 z^{60} + 74025 z^{59} + 877716 z^{58} + 8498784 z^{57} + 69159015 z^{56} \\ &+ 484071777 z^{55} + 2958500160 z^{54} + 15975875916 z^{53} + 76973439375 z^{52} \\ &+ 333552494457 z^{51} + 1308556055268 z^{50} + 4673409112800 z^{49} \\ &+ 15266460370455 z^{48} + 45799401160485 z^{47} + 126621889238880 z^{46} \\ &+ 323589216365100 z^{45} + 766395500769675 z^{44} + 1686070226017485 z^{43} \\ &+ 3452429486291940 z^{42} + 6591001523904000 z^{41} + 11749176749064195 z^{40} \\ &+ 19581961572436725 z^{39} + 30547859766094944 z^{38} + 44646871587555132 z^{37} \\ &+ 61182750453661627 z^{36} + 78663536635960269 z^{35} + 94938750420079860 z^{34} \\ &+ 107597250279519168 z^{33} + 114539009146768899 z^{32} \\ &+ 114539009146768899 z^{31} + 107597250279519168 z^{30} \\ &+ 94938750420079860 z^{29} + 78663536635960269 z^{28} + 61182750453661627 z^{27} \\ &+ 44646871587555132 z^{26} + 30547859766094944 z^{25} + 19581961572436725 z^{24} \\ &+ 11749176749064195 z^{23} + 6591001523904000 z^{22} + 3452429486291940 z^{21} \\ &+ 1686070226017485 z^{20} + 766395500769675 z^{19} + 323589216365100 z^{18} \\ &+ 126621889238880 z^{17} + 45799401160485 z^{16} + 15266460370455 z^{15} \\ &+ 4673409112800 z^{14} + 1308556055268 z^{13} + 333552494457 z^{12} \\ &+ 76973439375 z^{11} + 15975875916 z^{10} + 2958500160 z^9 + 484071777 z^8 \\ &+ 69159015 z^7 + 8498784 z^6 + 877716 z^5 + 74025 z^4 + 5103 z^3 + 252 z^2 + 1 \end{aligned} $	$\left\{ \left[ \frac{63}{2}, \frac{3\sqrt{7}}{2} \right] \right\}$
$\{[64, 2, 61]\}$	$x^3 + x^2 + x + 1$	$ \begin{aligned} &z^{64} + 480 z^{62} + 159216 z^{60} + 18739872 z^{58} + 1106568312 z^{56} + 37868152672 z^{54} \\ &+ 821054355408 z^{52} + 11963922465312 z^{50} + 122131742158620 z^{48} \\ &+ 900422176717920 z^{46} + 4904931494046960 z^{44} + 20086862014041120 z^{42} \\ &+ 62662276536761160 z^{40} + 150389463021269472 z^{38} \\ &+ 279692573599886672 z^{36} + 405072002208294816 z^{34} \\ &+ 458156035686457926 z^{32} + 405072002208294816 z^{30} \end{aligned} $	$\{[32, 4]\}$

		$+279692573599886672 z^{28} + 150389463021269472 z^{26}$ $+62662276536761160 z^{24} + 20086862014041120 z^{22} + 4904931494046960 z^{20}$ $+900422176717920 z^{18} + 122131742158620 z^{16} + 11963922465312 z^{14}$ $+821054355408 z^{12} + 37868152672 z^{10} + 1106568312 z^8 + 18739872 z^6$ $+159216 z^4 + 480 z^2 + 1$	
$\{[66, 2, 63]\}$	$x^3 + 1$	$z^{66} + 693 z^{64} + 182028 z^{62} + 22688820 z^{60} + 1435907748 z^{58} + 52746071532 z^{56}$ $+ 1230714533356 z^{54} + 19353418008276 z^{52} + 213855179858760 z^{50}$ $+ 1712238853713696 z^{48} + 10165293145075068 z^{46} + 45545791455070404 z^{44}$ $+ 156109852114568484 z^{42} + 413571025990352076 z^{40}$ $+ 853400521808665116 z^{38} + 1379173727502628772 z^{36}$ $+ 1751773074040063074 z^{34} + 1751773074040063074 z^{32}$ $+ 1379173727502628772 z^{30} + 853400521808665116 z^{28}$ $+ 413571025990352076 z^{26} + 156109852114568484 z^{24}$ $+ 45545791455070404 z^{22} + 10165293145075068 z^{20} + 1712238853713696 z^{18}$ $+ 213855179858760 z^{16} + 19353418008276 z^{14} + 1230714533356 z^{12}$ $+ 52746071532 z^{10} + 1435907748 z^8 + 22688820 z^6 + 182028 z^4 + 693 z^2 + 1$	$\left\{ \left[ 33, \frac{\sqrt{66}}{2} \right] \right\}$
$\{[68, 2, 65]\}$	$x^3 + x^2 + x + 1$	$z^{68} + 544 z^{66} + 204017 z^{64} + 27358848 z^{62} + 1848037224 z^{60} + 72687887360 z^{58}$ $+ 1820507414344 z^{56} + 30808565907328 z^{54} + 367392210175980 z^{52}$ $+ 3184065664171392 z^{50} + 20528844765712140 z^{48} + 100244747771525760 z^{46}$ $+ 375917805359137080 z^{44} + 1094209979244585984 z^{42}$ $+ 2492367177575288728 z^{40} + 4469072177215885184 z^{38}$ $+ 6334188996736289942 z^{36} + 7113260367059939520 z^{34}$ $+ 6334188996736289942 z^{32} + 4469072177215885184 z^{30}$ $+ 2492367177575288728 z^{28} + 1094209979244585984 z^{26}$ $+ 375917805359137080 z^{24} + 100244747771525760 z^{22}$ $+ 20528844765712140 z^{20} + 3184065664171392 z^{18} + 367392210175980 z^{16}$ $+ 30808565907328 z^{14} + 1820507414344 z^{12} + 72687887360 z^{10} + 1848037224 z^8$ $+ 27358848 z^6 + 204017 z^4 + 544 z^2 + 1$	$\{[34, \sqrt{17}]\}$
		$12167 z^{66} + 2810577 z^{64} + 269815392 z^{62} + 14167449472 z^{60} + 455952679512 z^{58}$ $+ 9662700360264 z^{56} + 141719361165184 z^{54} + 1491180208509024 z^{52}$ $+ 11563186036844244 z^{50} + 67451917247630124 z^{48}$	

$\{[69, 2, 66]\}$	$x^3 + 1$	$+300734246569642656 z^{46} + 1037533138002553536 z^{44}$ $+2796314394537207368 z^{42} + 5930115011723969880 z^{40}$ $+9947289674370185280 z^{38} + 13244213369476143392 z^{36}$ $+14023284717077268282 z^{34} + 11812406503518280374 z^{32}$ $+7906820016945098656 z^{30} + 4194471580368892416 z^{28}$ $+1755825322046747688 z^{26} + 576407299668652728 z^{24}$ $+147167820872636160 z^{22} + 28907965670239392 z^{20} + 4307853284921076 z^{18}$ $+478303104375756 z^{16} + 38650760412000 z^{14} + 2203763644352 z^{12}$ $+85009560504 z^{10} + 2090340648 z^8 + 29939008 z^6 + 218592 z^4 + 759 z^2 + 1$	$\left\{ \left[ \frac{69}{2}, \frac{\sqrt{69}}{2} \right] \right\}$
$\{[70, 2, 67]\}$	$x^3 + x + 1$	$z^{70} + 315 z^{68} + 7000 z^{67} + 113995 z^{66} + 1512000 z^{65} + 16397745 z^{64} + 149843200 z^{63}$ $+ 1179982440 z^{62} + 8129284800 z^{61} + 49588352632 z^{60} + 270479576640 z^{59}$ $+ 1329860972440 z^{58} + 5933233526080 z^{57} + 24156719902920 z^{56}$ $+ 90185070605056 z^{55} + 310011243999660 z^{54} + 984741616474560 z^{53}$ $+ 2899516792771620 z^{52} + 7935519685810080 z^{51} + 20235575645429508 z^{50}$ $+ 48179941723617600 z^{49} + 107309869354260300 z^{48}$ $+ 223951032616147200 z^{47} + 438570773484425400 z^{46}$ $+ 806970221093260224 z^{45} + 1396679227378139880 z^{44}$ $+ 2276069855897037760 z^{43} + 3495392993914401160 z^{42}$ $+ 5062293295704482880 z^{41} + 6918467504620825496 z^{40}$ $+ 8927054851978807040 z^{39} + 10879848098199747030 z^{38}$ $+ 12528309923617458880 z^{37} + 13633749039419380690 z^{36}$ $+ 14023284732843304464 z^{35} + 13633749039419380690 z^{34}$ $+ 12528309923617458880 z^{33} + 10879848098199747030 z^{32}$ $+ 8927054851978807040 z^{31} + 6918467504620825496 z^{30}$ $+ 5062293295704482880 z^{29} + 3495392993914401160 z^{28}$ $+ 2276069855897037760 z^{27} + 1396679227378139880 z^{26}$ $+ 806970221093260224 z^{25} + 438570773484425400 z^{24}$ $+ 223951032616147200 z^{23} + 107309869354260300 z^{22}$ $+ 48179941723617600 z^{21} + 20235575645429508 z^{20} + 7935519685810080 z^{19}$ $+ 2899516792771620 z^{18} + 984741616474560 z^{17} + 310011243999660 z^{16}$ $+ 90185070605056 z^{15} + 24156719902920 z^{14} + 5933233526080 z^{13}$	$\left\{ \left[ 35, \frac{\sqrt{70}}{2} \right] \right\}$

		$+1329860972440 z^{12} + 270479576640 z^{11} + 49588352632 z^{10} + 8129284800 z^9$ $+ 1179982440 z^8 + 149843200 z^7 + 16397745 z^6 + 1512000 z^5 + 113995 z^4$ $+ 7000 z^3 + 315 z^2 + 1$	
$\{[70, 2, 67]\}$	$x^3 + x^2 + 1$	$z^{70} + 315 z^{68} + 7000 z^{67} + 113995 z^{66} + 1512000 z^{65} + 16397745 z^{64} + 149843200 z^{63}$ $+ 1179982440 z^{62} + 8129284800 z^{61} + 49588352632 z^{60} + 270479576640 z^{59}$ $+ 1329860972440 z^{58} + 5933233526080 z^{57} + 24156719902920 z^{56}$ $+ 90185070605056 z^{55} + 310011243999660 z^{54} + 984741616474560 z^{53}$ $+ 2899516792771620 z^{52} + 7935519685810080 z^{51} + 20235575645429508 z^{50}$ $+ 48179941723617600 z^{49} + 107309869354260300 z^{48}$ $+ 223951032616147200 z^{47} + 438570773484425400 z^{46}$ $+ 806970221093260224 z^{45} + 1396679227378139880 z^{44}$ $+ 2276069855897037760 z^{43} + 3495392993914401160 z^{42}$ $+ 5062293295704482880 z^{41} + 6918467504620825496 z^{40}$ $+ 8927054851978807040 z^{39} + 10879848098199747030 z^{38}$ $+ 12528309923617458880 z^{37} + 13633749039419380690 z^{36}$ $+ 14023284732843304464 z^{35} + 13633749039419380690 z^{34}$ $+ 12528309923617458880 z^{33} + 10879848098199747030 z^{32}$ $+ 8927054851978807040 z^{31} + 6918467504620825496 z^{30}$ $+ 5062293295704482880 z^{29} + 3495392993914401160 z^{28}$ $+ 2276069855897037760 z^{27} + 1396679227378139880 z^{26}$ $+ 806970221093260224 z^{25} + 438570773484425400 z^{24}$ $+ 223951032616147200 z^{23} + 107309869354260300 z^{22}$ $+ 48179941723617600 z^{21} + 20235575645429508 z^{20} + 7935519685810080 z^{19}$ $+ 2899516792771620 z^{18} + 984741616474560 z^{17} + 310011243999660 z^{16}$ $+ 90185070605056 z^{15} + 24156719902920 z^{14} + 5933233526080 z^{13}$ $+ 1329860972440 z^{12} + 270479576640 z^{11} + 49588352632 z^{10} + 8129284800 z^9$ $+ 1179982440 z^8 + 149843200 z^7 + 16397745 z^6 + 1512000 z^5 + 113995 z^4$ $+ 7000 z^3 + 315 z^2 + 1$	$\left\{ \left[ 35, \frac{\sqrt{70}}{2} \right] \right\}$
		$z^{72} + 828 z^{70} + 260406 z^{68} + 39025020 z^{66} + 2992171545 z^{64} + 134055114336 z^{62}$ $+ 3840811713168 z^{60} + 74706084117216 z^{58} + 1029076375619700 z^{56}$ $+ 10358021894263120 z^{54} + 78012264856064616 z^{52}$	

$\{[72, 2, 69]\}$	$x^3+1$	$+447810656521748688 z^{50} + 1987565411353221636 z^{48}$ $+6898380901249964832 z^{46} + 18888423841108667376 z^{44}$ $+41076894203396887968 z^{42} + 71304850608628265838 z^{40}$ $+99140433949255421736 z^{38} + 110628135121460595652 z^{36}$ $+99140433949255421736 z^{34} + 71304850608628265838 z^{32}$ $+41076894203396887968 z^{30} + 18888423841108667376 z^{28}$ $+6898380901249964832 z^{26} + 1987565411353221636 z^{24}$ $+447810656521748688 z^{22} + 78012264856064616 z^{20}$ $+10358021894263120 z^{18} + 1029076375619700 z^{16} + 74706084117216 z^{14}$ $+3840811713168 z^{12} + 134055114336 z^{10} + 2992171545 z^8 + 39025020 z^6$ $+260406 z^4 + 828 z^2 + 1$	$\{[36, 3\sqrt{2}]\}$
$\{[72, 2, 69]\}$	$x^3+x^2+x+1$	$z^{72} + 612 z^{70} + 257670 z^{68} + 39054372 z^{66} + 2992298265 z^{64} + 134052700320 z^{62}$ $+ 3840822536208 z^{60} + 74706073996320 z^{58} + 1029076278236532 z^{56}$ $+ 10358022370788400 z^{54} + 78012263946626856 z^{52}$ $+ 447810656434410672 z^{50} + 1987565416461015300 z^{48}$ $+ 6898380886602618336 z^{46} + 18888423863766430320 z^{44}$ $+ 41076894185317337952 z^{42} + 71304850604581107822 z^{40}$ $+ 99140433981605636760 z^{38} + 110628135076015546276 z^{36}$ $+ 99140433981605636760 z^{34} + 71304850604581107822 z^{32}$ $+ 41076894185317337952 z^{30} + 18888423863766430320 z^{28}$ $+ 6898380886602618336 z^{26} + 1987565416461015300 z^{24}$ $+ 447810656434410672 z^{22} + 78012263946626856 z^{20}$ $+ 10358022370788400 z^{18} + 1029076278236532 z^{16} + 74706073996320 z^{14}$ $+ 3840822536208 z^{12} + 134052700320 z^{10} + 2992298265 z^8 + 39054372 z^6$ $+ 257670 z^4 + 612 z^2 + 1$	$\{[36, 3\sqrt{2}]\}$
		$15625 z^{72} + 4312500 z^{70} + 496368750 z^{68} + 31398162500 z^{66} + 1224554945625 z^{64}$ $+ 31650130260000 z^{62} + 570003047922000 z^{60} + 7418423734740000 z^{58}$ $+ 71711429288332500 z^{56} + 525883804525750000 z^{54}$ $+ 2974465344477525000 z^{52} + 13147136778514782000 z^{50}$ $+ 45883881929883042500 z^{48} + 127480342003186620000 z^{46}$ $+ 283746567476177022000 z^{44} + 508379266969339164000 z^{42}$	

$\{[75, 2, 72]\}$	$x^3 + 1$	$+735654703843211185950 z^{40} + 861577580995607931000 z^{38}$ $+817394115536986340500 z^{36} + 627997917797067111000 z^{34}$ $+390151530454665960750 z^{32} + 195469857669620088800 z^{30}$ $+78658083294041118000 z^{28} + 25282955383983084000 z^{26}$ $+6444674883966521700 z^{24} + 1290805712766956400 z^{22}$ $+200792001086578440 z^{20} + 23903808592231600 z^{18} + 2137512120549300 z^{16}$ $+140164705591200 z^{14} + 6530961016400 z^{12} + 207235781280 z^{10}$ $+4217592225 z^8 + 50301300 z^6 + 307950 z^4 + 900 z^2 + 1$	$\left\{ \left[ \frac{75}{2}, \frac{5\sqrt{3}}{2} \right] \right\}$
$\{[76, 2, 73]\}$	$x^3 + x^2 + x + 1$	$z^{76} + 684 z^{74} + 321271 z^{72} + 54648408 z^{70} + 4714026255 z^{68} + 238631305676 z^{66}$ $+7755531739817 z^{64} + 171814801670208 z^{62} + 2707515102152964 z^{60}$ $+31322232988142320 z^{58} + 272503428415039452 z^{56}$ $+1816689519500769184 z^{54} + 9419140232817078636 z^{52}$ $+38430092137547594160 z^{50} + 124541965280984410100 z^{48}$ $+322950199594764286400 z^{46} + 673898097985612687710 z^{44}$ $+1136377184788771256040 z^{42} + 1553048819266004889010 z^{40}$ $+1723155162146806390800 z^{38} + 1553048819266004889010 z^{36}$ $+1136377184788771256040 z^{34} + 673898097985612687710 z^{32}$ $+322950199594764286400 z^{30} + 124541965280984410100 z^{28}$ $+38430092137547594160 z^{26} + 9419140232817078636 z^{24}$ $+1816689519500769184 z^{22} + 272503428415039452 z^{20}$ $+31322232988142320 z^{18} + 2707515102152964 z^{16} + 171814801670208 z^{14}$ $+7755531739817 z^{12} + 238631305676 z^{10} + 4714026255 z^8 + 54648408 z^6$ $+321271 z^4 + 684 z^2 + 1$	$\{[38, \sqrt{19}]\}$
		$z^{77} + 385 z^{75} + 9317 z^{74} + 168322 z^{73} + 2469005 z^{72} + 29648234 z^{71} + 300590378 z^{70}$ $+2630171621 z^{69} + 20165509826 z^{68} + 137124570429 z^{67} + 835209318713 z^{66}$ $+4593659114352 z^{65} + 22968308018425 z^{64} + 104997936930480 z^{63}$ $+440991314183728 z^{62} + 1708841512029652 z^{61} + 6131725397315056 z^{60}$ $+20439084132541844 z^{59} + 63468735298415524 z^{58}$ $+184059333652869752 z^{57} + 499589618355911556 z^{56}$ $+1271682662437741400 z^{55} + 3040980284438898648 z^{54}$ $+6842205643441057428 z^{53} + 14505475952991927288 z^{52}$	

{[77, 2, 74]}	$x^3+x+1$	$ \begin{aligned} &+29010951903495979956 z^{51}+54798464728086275812 z^{50} \\ &+97854401296845303440 z^{49}+165340195260094194340 z^{48} \\ &+264544312432893816400 z^{47}+401083312444609015760 z^{46} \\ &+576557261600842718350 z^{45}+786214447586522695440 z^{44} \\ &+1017453991058453507790 z^{43}+1250014903344279369990 z^{42} \\ &+1458350720481722074700 z^{41}+1616010257806062711670 z^{40} \\ &+1701063429367043352380 z^{39}+1701063429367043352380 z^{38} \\ &+1616010257806062711670 z^{37}+1458350720481722074700 z^{36} \\ &+1250014903344279369990 z^{35}+1017453991058453507790 z^{34} \\ &+786214447586522695440 z^{33}+576557261600842718350 z^{32} \\ &+401083312444609015760 z^{31}+264544312432893816400 z^{30} \\ &+165340195260094194340 z^{29}+97854401296845303440 z^{28} \\ &+54798464728086275812 z^{27}+29010951903495979956 z^{26} \\ &+14505475952991927288 z^{25}+6842205643441057428 z^{24} \\ &+3040980284438898648 z^{23}+1271682662437741400 z^{22} \\ &+499589618355911556 z^{21}+184059333652869752 z^{20} \\ &+63468735298415524 z^{19}+20439084132541844 z^{18}+6131725397315056 z^{17} \\ &+1708841512029652 z^{16}+440991314183728 z^{15}+104997936930480 z^{14} \\ &+22968308018425 z^{13}+4593659114352 z^{12}+835209318713 z^{11} \\ &+137124570429 z^{10}+20165509826 z^9+2630171621 z^8+300590378 z^7 \\ &+29648234 z^6+2469005 z^5+168322 z^4+9317 z^3+385 z^2+1 \end{aligned} $	$\left\{ \left[ \frac{77}{2}, \frac{\sqrt{77}}{2} \right] \right\}$
		$ \begin{aligned} &z^{77}+385 z^{75}+9317 z^{74}+168322 z^{73}+2469005 z^{72}+29648234 z^{71}+300590378 z^{70} \\ &+2630171621 z^{69}+20165509826 z^{68}+137124570429 z^{67}+835209318713 z^{66} \\ &+4593659114352 z^{65}+22968308018425 z^{64}+104997936930480 z^{63} \\ &+440991314183728 z^{62}+1708841512029652 z^{61}+6131725397315056 z^{60} \\ &+20439084132541844 z^{59}+63468735298415524 z^{58} \\ &+184059333652869752 z^{57}+499589618355911556 z^{56} \\ &+1271682662437741400 z^{55}+3040980284438898648 z^{54} \\ &+6842205643441057428 z^{53}+14505475952991927288 z^{52} \\ &+29010951903495979956 z^{51}+54798464728086275812 z^{50} \\ &+97854401296845303440 z^{49}+165340195260094194340 z^{48} \end{aligned} $	



{[77, 2, 74]}	$x^3 + x^2 + 1$	$ \begin{aligned} &+264544312432893816400 z^{47} + 401083312444609015760 z^{46} \\ &+576557261600842718350 z^{45} + 786214447586522695440 z^{44} \\ &+1017453991058453507790 z^{43} + 1250014903344279369990 z^{42} \\ &+1458350720481722074700 z^{41} + 1616010257806062711670 z^{40} \\ &+1701063429367043352380 z^{39} + 1701063429367043352380 z^{38} \\ &+1616010257806062711670 z^{37} + 1458350720481722074700 z^{36} \\ &+1250014903344279369990 z^{35} + 1017453991058453507790 z^{34} \\ &+786214447586522695440 z^{33} + 576557261600842718350 z^{32} \\ &+401083312444609015760 z^{31} + 264544312432893816400 z^{30} \\ &+165340195260094194340 z^{29} + 97854401296845303440 z^{28} \\ &+54798464728086275812 z^{27} + 29010951903495979956 z^{26} \\ &+14505475952991927288 z^{25} + 6842205643441057428 z^{24} \\ &+3040980284438898648 z^{23} + 1271682662437741400 z^{22} \\ &+499589618355911556 z^{21} + 184059333652869752 z^{20} \\ &+63468735298415524 z^{19} + 20439084132541844 z^{18} + 6131725397315056 z^{17} \\ &+1708841512029652 z^{16} + 440991314183728 z^{15} + 104997936930480 z^{14} \\ &+22968308018425 z^{13} + 4593659114352 z^{12} + 835209318713 z^{11} \\ &+137124570429 z^{10} + 20165509826 z^9 + 2630171621 z^8 + 300590378 z^7 \\ &+29648234 z^6 + 2469005 z^5 + 168322 z^4 + 9317 z^3 + 385 z^2 + 1 \end{aligned} $	$\left\{ \left[ \frac{77}{2}, \frac{\sqrt{77}}{2} \right] \right\}$
{[78, 2, 75]}	$x^3 + 1$	$ \begin{aligned} &z^{78} + 975 z^{76} + 361725 z^{74} + 64171315 z^{72} + 5861424075 z^{70} + 314583071205 z^{68} \\ &+ 10857728823175 z^{66} + 255932445825225 z^{64} + 4299666041401380 z^{62} \\ &+ 53141617885692700 z^{60} + 495056138604598740 z^{58} \\ &+ 3542544569088177900 z^{56} + 19766371822861023100 z^{54} \\ &+ 87032855786122754628 z^{52} + 305305731955792046700 z^{50} \\ &+ 859769015424916460500 z^{48} + 1955281148201464058430 z^{46} \\ &+ 3607336877016880111650 z^{44} + 5416731247955761352710 z^{42} \\ &+ 6634147374212479498650 z^{40} + 6634147374212479498650 z^{38} \\ &+ 5416731247955761352710 z^{36} + 3607336877016880111650 z^{34} \\ &+ 1955281148201464058430 z^{32} + 859769015424916460500 z^{30} \\ &+ 305305731955792046700 z^{28} + 87032855786122754628 z^{26} \\ &+ 19766371822861023100 z^{24} + 3542544569088177900 z^{22} \end{aligned} $	$\left\{ \left[ 39, \frac{\sqrt{78}}{2} \right] \right\}$

		$+495056138604598740 z^{20} + 53141617885692700 z^{18} + 4299666041401380 z^{16}$ $+ 255932445825225 z^{14} + 10857728823175 z^{12} + 314583071205 z^{10}$ $+ 5861424075 z^8 + 64171315 z^6 + 361725 z^4 + 975 z^2 + 1$	
$\{[80, 2, 77]\}$	$x^3 + x^2 + x + 1$	$z^{80} + 760 z^{78} + 395980 z^{76} + 75117640 z^{74} + 7246952830 z^{72} + 411622534024 z^{70}$ $+ 15061663658860 z^{68} + 377038043786680 z^{66} + 6739555340305645 z^{64}$ $+ 88803551754243040 z^{62} + 883829036188788976 z^{60}$ $+ 6772196504451807520 z^{58} + 40559568209715117160 z^{56}$ $+ 192189953949462666400 z^{54} + 727576254288822478000 z^{52}$ $+ 2217853133679944356960 z^{50} + 5477560662940060191250 z^{48}$ $+ 11013704862220821514000 z^{46} + 18093943702414287221800 z^{44}$ $+ 24348322535326107775600 z^{42} + 26876802183437429012020 z^{40}$ $+ 24348322535326107775600 z^{38} + 18093943702414287221800 z^{36}$ $+ 11013704862220821514000 z^{34} + 5477560662940060191250 z^{32}$ $+ 2217853133679944356960 z^{30} + 727576254288822478000 z^{28}$ $+ 192189953949462666400 z^{26} + 40559568209715117160 z^{24}$ $+ 6772196504451807520 z^{22} + 883829036188788976 z^{20}$ $+ 88803551754243040 z^{18} + 6739555340305645 z^{16} + 377038043786680 z^{14}$ $+ 15061663658860 z^{12} + 411622534024 z^{10} + 7246952830 z^8 + 75117640 z^6$ $+ 395980 z^4 + 760 z^2 + 1$	$\{[40, 2\sqrt{5}]\}$
$\{[81, 2, 78]\}$	$x^3 + 1$	$19683 z^{78} + 6396975 z^{76} + 869562135 z^{74} + 65221235235 z^{72} + 3031033885425 z^{70}$ $+ 93845804334165 z^{68} + 2036005322509125 z^{66} + 32111998424963145 z^{64}$ $+ 378583567219360620 z^{62} + 3409054839401737500 z^{60}$ $+ 23849909452354244220 z^{58} + 131413000997796230700 z^{56}$ $+ 576569861756458089012 z^{54} + 2032195744976403233412 z^{52}$ $+ 5795035607070866915460 z^{50} + 13444921627227427739220 z^{48}$ $+ 25488859824634589010810 z^{46} + 39611065941788336958690 z^{44}$ $+ 50569592959535133079890 z^{42} + 53098072605267833126970 z^{40}$ $+ 45865444775960536607790 z^{38} + 32569098664942482658470 z^{36}$ $+ 18981065825642981748870 z^{34} + 9054743137140513467070 z^{32}$ $+ 3522472623993906866556 z^{30} + 1111956162117850140012 z^{28}$ $+ 283043386833196449996 z^{26} + 57637281085503404220 z^{24}$	$\left\{ \left[ \frac{81}{2}, \frac{9}{2} \right] \right\}$

		$+9297422333826290820 z^{22} + 1173609048282196500 z^{20}$ $+114175993491548820 z^{18} + 8398523372805540 z^{16} + 455822054006715 z^{14}$ $+17681067283815 z^{12} + 469603456335 z^{10} + 8040597435 z^8 + 81091881 z^6$ $+422253 z^4 + 1053 z^2 + 1$	
$\{[84, 2, 81]\}$	$x^3 + 1$	$z^{84} + 1134 z^{82} + 490077 z^{80} + 101577672 z^{78} + 10898097210 z^{76} + 690263273700 z^{74}$ $+ 28248212759130 z^{72} + 793433466669960 z^{70} + 15967852366610025 z^{68}$ $+ 237743562761843670 z^{66} + 2683999721965567005 z^{64}$ $+ 23423997607876363680 z^{62} + 160488331166241613080 z^{60}$ $+ 874044142682523052464 z^{58} + 3822208908983296963032 z^{56}$ $+ 13531498206166205473824 z^{54} + 39039463577307862021122 z^{52}$ $+ 92275095723224774609340 z^{50} + 179423797244476453537050 z^{48}$ $+ 287894798422382965348080 z^{46} + 382014251748447778067580 z^{44}$ $+ 419727621557326321534680 z^{42} + 382014251748447778067580 z^{40}$ $+ 287894798422382965348080 z^{38} + 179423797244476453537050 z^{36}$ $+ 92275095723224774609340 z^{34} + 39039463577307862021122 z^{32}$ $+ 13531498206166205473824 z^{30} + 3822208908983296963032 z^{28}$ $+ 874044142682523052464 z^{26} + 160488331166241613080 z^{24}$ $+ 23423997607876363680 z^{22} + 2683999721965567005 z^{20}$ $+ 237743562761843670 z^{18} + 15967852366610025 z^{16} + 793433466669960 z^{14}$ $+ 28248212759130 z^{12} + 690263273700 z^{10} + 10898097210 z^8 + 101577672 z^6$ $+ 490077 z^4 + 1134 z^2 + 1$	$\{[42, \sqrt{21}]\}$
		$z^{84} + 462 z^{82} + 12096 z^{81} + 240093 z^{80} + 3858624 z^{79} + 50825544 z^{78} + 566148672 z^{77}$ $+ 5449276602 z^{76} + 46017442240 z^{75} + 345128709156 z^{74} + 2321768906688 z^{73}$ $+ 14124111539930 z^{72} + 78225864962112 z^{71} + 396716791280904 z^{70}$ $+ 1851345023645376 z^{69} + 7983925805267433 z^{68} + 31935702977075520 z^{67}$ $+ 118871782063166902 z^{66} + 412923033960670464 z^{65}$ $+ 1341999863408138781 z^{64} + 4089904339533486848 z^{63}$ $+ 11711998785116599200 z^{62} + 31571475004459176192 z^{61}$ $+ 80244165641116542744 z^{60} + 192585997493333192448 z^{59}$ $+ 437022071243460788400 z^{58} + 938788153133288358656 z^{57}$ $+ 1911104454539575978968 z^{56} + 3690408601715748912384 z^{55}$	

{[84, 2, 81]}	$x^3+x+1$	$ \begin{aligned} &+6765749103297788185120 z^{54}+11785498438212311129856 z^{53} \\ &+19519731787968420043266 z^{52}+30758365241427828678912 z^{51} \\ &+46137547862688367774332 z^{50}+65910782661121850290560 z^{49} \\ &+89711898621302699267610 z^{48}+116383003616878679076480 z^{47} \\ &+143947399211292854404080 z^{46}+169784111889914062128000 z^{45} \\ &+191007125875187195753340 z^{44}+204983257037397310200960 z^{43} \\ &+209863810777210367140440 z^{42}+204983257037397310200960 z^{41} \\ &+191007125875187195753340 z^{40}+169784111889914062128000 z^{39} \\ &+143947399211292854404080 z^{38}+116383003616878679076480 z^{37} \\ &+89711898621302699267610 z^{36}+65910782661121850290560 z^{35} \\ &+46137547862688367774332 z^{34}+30758365241427828678912 z^{33} \\ &+19519731787968420043266 z^{32}+11785498438212311129856 z^{31} \\ &+6765749103297788185120 z^{30}+3690408601715748912384 z^{29} \\ &+1911104454539575978968 z^{28}+938788153133288358656 z^{27} \\ &+437022071243460788400 z^{26}+192585997493333192448 z^{25} \\ &+80244165641116542744 z^{24}+31571475004459176192 z^{23} \\ &+11711998785116599200 z^{22}+4089904339533486848 z^{21} \\ &+1341999863408138781 z^{20}+412923033960670464 z^{19} \\ &+118871782063166902 z^{18}+31935702977075520 z^{17}+7983925805267433 z^{16} \\ &+1851345023645376 z^{15}+396716791280904 z^{14}+78225864962112 z^{13} \\ &+14124111539930 z^{12}+2321768906688 z^{11}+345128709156 z^{10} \\ &+46017442240 z^9+5449276602 z^8+566148672 z^7+50825544 z^6+3858624 z^5 \\ &+240093 z^4+12096 z^3+462 z^2+1 \end{aligned} $	{[42, $\sqrt{21}$ ]}
		$ \begin{aligned} &z^{84}+840 z^{82}+483021 z^{80}+101611776 z^{78}+10898870346 z^{76}+690255833904 z^{74} \\ &+28248227125482 z^{72}+793433589398784 z^{70}+15967851482377305 z^{68} \\ &+237743564862972840 z^{66}+2683999723989925341 z^{64} \\ &+23423997578343118848 z^{62}+160488331264517297496 z^{60} \\ &+874044142514756232768 z^{58}+3822208909056917393688 z^{56} \\ &+13531498206561855959040 z^{54}+39039463576124713057986 z^{52} \\ &+92275095724899512639760 z^{50}+179423797243496818284090 z^{48} \\ &+287894798421237014192640 z^{46}+382014251752086778352220 z^{44} \end{aligned} $	

$\{[84, 2, 81]\}$	$x^3 + x^2 + x + 1$	$+419727621552569079156000 z^{42} + 382014251752086778352220 z^{40}$ $+287894798421237014192640 z^{38} + 179423797243496818284090 z^{36}$ $+92275095724899512639760 z^{34} + 39039463576124713057986 z^{32}$ $+13531498206561855959040 z^{30} + 3822208909056917393688 z^{28}$ $+874044142514756232768 z^{26} + 160488331264517297496 z^{24}$ $+23423997578343118848 z^{22} + 2683999723989925341 z^{20}$ $+237743564862972840 z^{18} + 15967851482377305 z^{16} + 793433589398784 z^{14}$ $+28248227125482 z^{12} + 690255833904 z^{10} + 10898870346 z^8 + 101611776 z^6$ $+483021 z^4 + 840 z^2 + 1$	$\{[42, \sqrt{21}]\}$
$\{[84, 2, 81]\}$	$x^3 + x^2 + 1$	$z^{84} + 462 z^{82} + 12096 z^{81} + 240093 z^{80} + 3858624 z^{79} + 50825544 z^{78} + 566148672 z^{77}$ $+5449276602 z^{76} + 46017442240 z^{75} + 345128709156 z^{74} + 2321768906688 z^{73}$ $+14124111539930 z^{72} + 78225864962112 z^{71} + 396716791280904 z^{70}$ $+1851345023645376 z^{69} + 7983925805267433 z^{68} + 31935702977075520 z^{67}$ $+118871782063166902 z^{66} + 412923033960670464 z^{65}$ $+1341999863408138781 z^{64} + 4089904339533486848 z^{63}$ $+11711998785116599200 z^{62} + 31571475004459176192 z^{61}$ $+80244165641116542744 z^{60} + 192585997493333192448 z^{59}$ $+437022071243460788400 z^{58} + 938788153133288358656 z^{57}$ $+1911104454539575978968 z^{56} + 3690408601715748912384 z^{55}$ $+6765749103297788185120 z^{54} + 11785498438212311129856 z^{53}$ $+19519731787968420043266 z^{52} + 30758365241427828678912 z^{51}$ $+46137547862688367774332 z^{50} + 65910782661121850290560 z^{49}$ $+89711898621302699267610 z^{48} + 116383003616878679076480 z^{47}$ $+143947399211292854404080 z^{46} + 169784111889914062128000 z^{45}$ $+191007125875187195753340 z^{44} + 204983257037397310200960 z^{43}$ $+209863810777210367140440 z^{42} + 204983257037397310200960 z^{41}$ $+191007125875187195753340 z^{40} + 169784111889914062128000 z^{39}$ $+143947399211292854404080 z^{38} + 116383003616878679076480 z^{37}$ $+89711898621302699267610 z^{36} + 65910782661121850290560 z^{35}$ $+46137547862688367774332 z^{34} + 30758365241427828678912 z^{33}$ $+19519731787968420043266 z^{32} + 11785498438212311129856 z^{31}$	$\{[42, \sqrt{21}]\}$

		$+6765749103297788185120 z^{30} + 3690408601715748912384 z^{29}$ $+1911104454539575978968 z^{28} + 938788153133288358656 z^{27}$ $+437022071243460788400 z^{26} + 192585997493333192448 z^{25}$ $+80244165641116542744 z^{24} + 31571475004459176192 z^{23}$ $+11711998785116599200 z^{22} + 4089904339533486848 z^{21}$ $+1341999863408138781 z^{20} + 412923033960670464 z^{19}$ $+118871782063166902 z^{18} + 31935702977075520 z^{17} + 7983925805267433 z^{16}$ $+1851345023645376 z^{15} + 396716791280904 z^{14} + 78225864962112 z^{13}$ $+14124111539930 z^{12} + 2321768906688 z^{11} + 345128709156 z^{10}$ $+46017442240 z^9 + 5449276602 z^8 + 566148672 z^7 + 50825544 z^6 + 3858624 z^5$ $+240093 z^4 + 12096 z^3 + 462 z^2 + 1$	
$\{[87, 2, 84]\}$	$x^3 + 1$	$24389 z^{84} + 9219042 z^{82} + 1461218157 z^{80} + 128228972184 z^{78} + 7001293891410 z^{76}$ $+255817383379740 z^{74} + 6580594159166250 z^{72} + 123676462187510040 z^{70}$ $+1746658842896330685 z^{68} + 18947089592379334170 z^{66}$ $+160638368517988876125 z^{64} + 1079489836524778529760 z^{62}$ $+5815713049519329763128 z^{60} + 25354216992784693368144 z^{58}$ $+90130152015134300467992 z^{56} + 262879610044902911643744 z^{54}$ $+632236507528078750810698 z^{52} + 1258777190645844991919460 z^{50}$ $+2080974437997610203280890 z^{48} + 2862608739088874707486800 z^{46}$ $+3281063172702999193068300 z^{44} + 3135238142824697803243560 z^{42}$ $+2497169325578135701314780 z^{40} + 1656285777180743866756560 z^{38}$ $+913230510867786259589922 z^{36} + 417514674775747159503396 z^{34}$ $+157727766030691048495170 z^{32} + 49018152849449552404320 z^{30}$ $+12462242250331765359096 z^{28} + 2574168071552469644112 z^{26}$ $+428368982533779245400 z^{24} + 56841268908830796000 z^{22}$ $+5938640024114620305 z^{20} + 480964023473436090 z^{18}$ $+29612675867759865 z^{16} + 1352176671423960 z^{14} + 44341653130866 z^{12}$ $+1000196126748 z^{10} + 14607414666 z^8 + 126205912 z^6 + 565761 z^4 + 1218 z^2 + 1$	$\left\{ \left[ \frac{87}{2}, \frac{\sqrt{87}}{2} \right] \right\}$
		$z^{88} + 924 z^{86} + 583682 z^{84} + 135472876 z^{82} + 16069330695 z^{80} + 1128416146968 z^{78}$ $+51342977041356 z^{76} + 1607994141360024 z^{74} + 36193268911602099 z^{72}$ $+604640489653269564 z^{70} + 7685298863948818266 z^{68}$	

$\{[88, 2, 85]\}$	$x^3 + x^2 + x + 1$	$+75788358469729297836 z^{66} + 589007351211134653941 z^{64}$ $+3653657907683396740512 z^{62} + 18277955300358524876688 z^{60}$ $+74372369842314888576672 z^{58} + 247857918043924519460250 z^{56}$ $+680394284825086757589048 z^{54} + 1545467018390352750123684 z^{52}$ $+2915062967829076916056920 z^{50} + 4578143763580697171938230 z^{48}$ $+5997846881900391316626960 z^{46} + 6562126345422790871463240 z^{44}$ $+5997846881900391316626960 z^{42} + 4578143763580697171938230 z^{40}$ $+2915062967829076916056920 z^{38} + 1545467018390352750123684 z^{36}$ $+680394284825086757589048 z^{34} + 247857918043924519460250 z^{32}$ $+74372369842314888576672 z^{30} + 18277955300358524876688 z^{28}$ $+3653657907683396740512 z^{26} + 589007351211134653941 z^{24}$ $+75788358469729297836 z^{22} + 7685298863948818266 z^{20}$ $+604640489653269564 z^{18} + 36193268911602099 z^{16} + 1607994141360024 z^{14}$ $+51342977041356 z^{12} + 1128416146968 z^{10} + 16069330695 z^8 + 135472876 z^6$ $+583682 z^4 + 924 z^2 + 1$	$\{[44, \sqrt{22}]\}$
$\{[90, 2, 87]\}$	$x^3 + 1$	$z^{90} + 1305 z^{88} + 649890 z^{86} + 155621250 z^{84} + 19377546975 z^{82} + 1430171318295 z^{80}$ $+68474400446700 z^{78} + 2259654575813100 z^{76} + 53666807377198275 z^{74}$ $+947412033004341675 z^{72} + 12745185054237146970 z^{70}$ $+133245116729895181050 z^{68} + 1099754984157037332525 z^{66}$ $+7258382897251943158965 z^{64} + 38711375451530621502480 z^{62}$ $+168283243623623248435728 z^{60} + 600526897625248623544410 z^{58}$ $+1769466955011320356550730 z^{56} + 4325363667818289802476900 z^{54}$ $+8804545389277157994084900 z^{52} + 14967727161712978108668390 z^{50}$ $+21295546774868474850057750 z^{48} + 25392575858356031400117000 z^{46}$ $+25392575858356031400117000 z^{44} + 21295546774868474850057750 z^{42}$ $+14967727161712978108668390 z^{40} + 8804545389277157994084900 z^{38}$ $+4325363667818289802476900 z^{36} + 1769466955011320356550730 z^{34}$ $+600526897625248623544410 z^{32} + 168283243623623248435728 z^{30}$ $+38711375451530621502480 z^{28} + 7258382897251943158965 z^{26}$ $+1099754984157037332525 z^{24} + 133245116729895181050 z^{22}$ $+12745185054237146970 z^{20} + 947412033004341675 z^{18}$	$\left\{ \left[ 45, \frac{3\sqrt{10}}{2} \right] \right\}$

		$+53666807377198275 z^{16} + 2259654575813100 z^{14} + 68474400446700 z^{12}$ $+1430171318295 z^{10} + 19377546975 z^8 + 155621250 z^6 + 649890 z^4 + 1305 z^2 + 1$	
$\{[91, 2, 88]\}$	$x^3 + x + 1$	$z^{91} + 546 z^{89} + 15379 z^{88} + 332696 z^{87} + 5813262 z^{86} + 83340166 z^{85} + 1011709712 z^{84}$ $+ 10623216513 z^{83} + 97971581162 z^{82} + 803362712516 z^{81} + 5915662656267 z^{80}$ $+ 39437785366616 z^{79} + 239660402720284 z^{78} + 1335250623745116 z^{77}$ $+ 6854286617261720 z^{76} + 32557862230218871 z^{75} + 143637626578975620 z^{74}$ $+ 590510240077014530 z^{73} + 2268802506280864645 z^{72}$ $+ 8167689028384420080 z^{71} + 27614567648030591150 z^{70}$ $+ 87864533418369457750 z^{69} + 263593600315111848600 z^{68}$ $+ 746848534215900163775 z^{67} + 2001554071547123415322 z^{66}$ $+ 5080868027868742248048 z^{65} + 12231719326664395230309 z^{64}$ $+ 27958215603456898028256 z^{63} + 60736813206985959008784 z^{62}$ $+ 125522747295351642435472 z^{61} + 246996373710867050842208 z^{60}$ $+ 463118200705942505272458 z^{59} + 827999207322287974700272 z^{58}$ $+ 1412469236023788190155908 z^{57} + 2300307041524020530080638 z^{56}$ $+ 3578255397921147039863312 z^{55} + 5319028294209406214671324 z^{54}$ $+ 7558619154935623326904716 z^{53} + 10271969620804864684146624 z^{52}$ $+ 13353560507039500352040618 z^{51} + 16610526484374492939994452 z^{50}$ $+ 19774436290927732079067480 z^{49} + 22533659959418276182493070 z^{48}$ $+ 24582174501180355749078480 z^{47} + 25674715590134029668685800 z^{46}$ $+ 25674715590134029668685800 z^{45} + 24582174501180355749078480 z^{44}$ $+ 22533659959418276182493070 z^{43} + 19774436290927732079067480 z^{42}$ $+ 16610526484374492939994452 z^{41} + 13353560507039500352040618 z^{40}$ $+ 10271969620804864684146624 z^{39} + 7558619154935623326904716 z^{38}$ $+ 5319028294209406214671324 z^{37} + 3578255397921147039863312 z^{36}$ $+ 2300307041524020530080638 z^{35} + 1412469236023788190155908 z^{34}$ $+ 827999207322287974700272 z^{33} + 463118200705942505272458 z^{32}$ $+ 246996373710867050842208 z^{31} + 125522747295351642435472 z^{30}$ $+ 60736813206985959008784 z^{29} + 27958215603456898028256 z^{28}$ $+ 12231719326664395230309 z^{27} + 5080868027868742248048 z^{26}$ $+ 2001554071547123415322 z^{25} + 746848534215900163775 z^{24}$	$\left\{ \left[ \frac{91}{2}, \frac{\sqrt{91}}{2} \right] \right\}$



		$ \begin{aligned} &+263593600315111848600 z^{23} + 87864533418369457750 z^{22} \\ &+27614567648030591150 z^{21} + 8167689028384420080 z^{20} \\ &+2268802506280864645 z^{19} + 590510240077014530 z^{18} \\ &+143637626578975620 z^{17} + 32557862230218871 z^{16} + 6854286617261720 z^{15} \\ &+1335250623745116 z^{14} + 239660402720284 z^{13} + 39437785366616 z^{12} \\ &+5915662656267 z^{11} + 803362712516 z^{10} + 97971581162 z^9 + 10623216513 z^8 \\ &+1011709712 z^7 + 83340166 z^6 + 5813262 z^5 + 332696 z^4 + 15379 z^3 + 546 z^2 + 1 \end{aligned} $	
$\{[91, 2, 88]\}$	$x^3 + x^2 + 1$	$ \begin{aligned} &z^{91} + 546 z^{89} + 15379 z^{88} + 332696 z^{87} + 5813262 z^{86} + 83340166 z^{85} + 1011709712 z^{84} \\ &+ 10623216513 z^{83} + 97971581162 z^{82} + 803362712516 z^{81} + 5915662656267 z^{80} \\ &+ 39437785366616 z^{79} + 239660402720284 z^{78} + 1335250623745116 z^{77} \\ &+ 6854286617261720 z^{76} + 32557862230218871 z^{75} + 143637626578975620 z^{74} \\ &+ 590510240077014530 z^{73} + 2268802506280864645 z^{72} \\ &+ 8167689028384420080 z^{71} + 27614567648030591150 z^{70} \\ &+ 87864533418369457750 z^{69} + 263593600315111848600 z^{68} \\ &+ 746848534215900163775 z^{67} + 2001554071547123415322 z^{66} \\ &+ 5080868027868742248048 z^{65} + 12231719326664395230309 z^{64} \\ &+ 27958215603456898028256 z^{63} + 60736813206985959008784 z^{62} \\ &+ 125522747295351642435472 z^{61} + 246996373710867050842208 z^{60} \\ &+ 463118200705942505272458 z^{59} + 827999207322287974700272 z^{58} \\ &+ 1412469236023788190155908 z^{57} + 2300307041524020530080638 z^{56} \\ &+ 3578255397921147039863312 z^{55} + 5319028294209406214671324 z^{54} \\ &+ 7558619154935623326904716 z^{53} + 10271969620804864684146624 z^{52} \\ &+ 13353560507039500352040618 z^{51} + 16610526484374492939994452 z^{50} \\ &+ 19774436290927732079067480 z^{49} + 22533659959418276182493070 z^{48} \\ &+ 24582174501180355749078480 z^{47} + 25674715590134029668685800 z^{46} \\ &+ 25674715590134029668685800 z^{45} + 24582174501180355749078480 z^{44} \\ &+ 22533659959418276182493070 z^{43} + 19774436290927732079067480 z^{42} \\ &+ 16610526484374492939994452 z^{41} + 13353560507039500352040618 z^{40} \\ &+ 10271969620804864684146624 z^{39} + 7558619154935623326904716 z^{38} \\ &+ 5319028294209406214671324 z^{37} + 3578255397921147039863312 z^{36} \\ &+ 2300307041524020530080638 z^{35} + 1412469236023788190155908 z^{34} \end{aligned} $	$ \left\{ \left[ \frac{91}{2}, \frac{\sqrt{91}}{2} \right] \right\} $

		$ \begin{aligned} &+827999207322287974700272 z^{33} + 463118200705942505272458 z^{32} \\ &+246996373710867050842208 z^{31} + 125522747295351642435472 z^{30} \\ &+60736813206985959008784 z^{29} + 27958215603456898028256 z^{28} \\ &+12231719326664395230309 z^{27} + 5080868027868742248048 z^{26} \\ &+2001554071547123415322 z^{25} + 746848534215900163775 z^{24} \\ &+263593600315111848600 z^{23} + 87864533418369457750 z^{22} \\ &+27614567648030591150 z^{21} + 8167689028384420080 z^{20} \\ &+2268802506280864645 z^{19} + 590510240077014530 z^{18} \\ &+143637626578975620 z^{17} + 32557862230218871 z^{16} + 6854286617261720 z^{15} \\ &+1335250623745116 z^{14} + 239660402720284 z^{13} + 39437785366616 z^{12} \\ &+5915662656267 z^{11} + 803362712516 z^{10} + 97971581162 z^9 + 10623216513 z^8 \\ &+1011709712 z^7 + 83340166 z^6 + 5813262 z^5 + 332696 z^4 + 15379 z^3 + 546 z^2 + 1 \end{aligned} $	
$\{[92, 2, 89]\}$	$x^3 + x^2 + x + 1$	$ \begin{aligned} &z^{92} + 1012 z^{90} + 699315 z^{88} + 178255704 z^{86} + 23270344185 z^{84} + 1802665487084 z^{82} \\ &+ 90706908491955 z^{80} + 3149822032770960 z^{78} + 78824297570384223 z^{76} \\ &+ 1468295734584504540 z^{74} + 20872983062765413437 z^{72} \\ &+ 230958202157154728568 z^{70} + 2020884268991835727935 z^{68} \\ &+ 14164844198991130705284 z^{66} + 80379869859967452567045 z^{64} \\ &+ 372519121004976401742528 z^{62} + 1420229148833679405048234 z^{60} \\ &+ 4480936886690838065363400 z^{58} + 11757124878894375336181662 z^{56} \\ &+ 25755294898281496159790640 z^{54} + 47251060255703282520782394 z^{52} \\ &+ 72769925550583613766019320 z^{50} + 94231668921222943389772350 z^{48} \\ &+ 102698862360508612259998560 z^{46} + 94231668921222943389772350 z^{44} \\ &+ 72769925550583613766019320 z^{42} + 47251060255703282520782394 z^{40} \\ &+ 25755294898281496159790640 z^{38} + 11757124878894375336181662 z^{36} \\ &+ 4480936886690838065363400 z^{34} + 1420229148833679405048234 z^{32} \\ &+ 372519121004976401742528 z^{30} + 80379869859967452567045 z^{28} \\ &+ 14164844198991130705284 z^{26} + 2020884268991835727935 z^{24} \\ &+ 230958202157154728568 z^{22} + 20872983062765413437 z^{20} \\ &+ 1468295734584504540 z^{18} + 78824297570384223 z^{16} \\ &+ 3149822032770960 z^{14} + 90706908491955 z^{12} + 1802665487084 z^{10} \\ &+ 23270344185 z^8 + 178255704 z^6 + 699315 z^4 + 1012 z^2 + 1 \end{aligned} $	$\{[46, \sqrt{23}]\}$

$\{[93, 2, 90]\}$	$x^3+1$	$ \begin{aligned} &29791 z^{90} + 12959085 z^{88} + 2368920738 z^{86} + 240460141870 z^{84} \\ &+ 15240684831453 z^{82} + 648903412262655 z^{80} + 19528897033809756 z^{78} \\ &+ 431215268380308900 z^{76} + 7186921255590830325 z^{74} \\ &+ 92437496369029974015 z^{72} + 933874469535237745770 z^{70} \\ &+ 7517689481247946523910 z^{68} + 48790018906018139689263 z^{66} \\ &+ 257769927483666333433365 z^{64} + 1117557363017788519716816 z^{62} \\ &+ 4002463964879305393739568 z^{60} + 11906489441811684235122438 z^{58} \\ &+ 29551692263126407448635506 z^{56} + 61416472449767251831346340 z^{54} \\ &+ 107179234238579345492052348 z^{52} + 157386118051175293585913490 z^{50} \\ &+ 194745449103961927635934470 z^{48} + 203212642543076491756137000 z^{46} \\ &+ 178847861421895470459754200 z^{44} + 132698099533491742841427258 z^{42} \\ &+ 82912237807093704155106990 z^{40} + 43549862282602964031751428 z^{38} \\ &+ 19182677433968609994911196 z^{36} + 7063171702744673943516750 z^{34} \\ &+ 2165267390854625874962106 z^{32} + 549909178620548007181008 z^{30} \\ &+ 115005044570491863194160 z^{28} + 19661649410733479230923 z^{26} \\ &+ 2723800536077328479025 z^{24} + 302522715675678463290 z^{22} \\ &+ 26591608523256640470 z^{20} + 1820686710439809441 z^{18} \\ &+ 95203374708829995 z^{16} + 3708017800851420 z^{14} + 104144988431908 z^{12} \\ &+ 2019866650785 z^{10} + 25458587715 z^8 + 190540818 z^6 + 743070 z^4 + 1395 z^2 + 1 \end{aligned} $	$\left\{ \left[ \frac{93}{2}, \frac{\sqrt{93}}{2} \right] \right\}$
$\{[96, 2, 93]\}$	$x^3+1$	$ \begin{aligned} &z^{96} + 1488 z^{94} + 845928 z^{92} + 231759472 z^{90} + 33147953172 z^{88} + 2819994117456 z^{86} \\ &+ 156167222066072 z^{84} + 5982402801505392 z^{82} + 165563024253244290 z^{80} \\ &+ 3419471548492938288 z^{78} + 54045647598128812920 z^{76} \\ &+ 666796951890172901520 z^{74} + 6525429587824090087620 z^{72} \\ &+ 51319993930819408278576 z^{70} + 327877739009167726271112 z^{68} \\ &+ 1717024113672434927906064 z^{66} + 7425436943272119366529263 z^{64} \\ &+ 26683923132974432097688608 z^{62} + 80094124832427689399552400 z^{60} \\ &+ 201659460815894589046006368 z^{58} + 427362934267088267297184552 z^{56} \\ &+ 764388988120413971563982112 z^{54} + 1156279748414608466755773552 z^{52} \\ &+ 1481378692171395272316985440 z^{50} \\ &+ 1608766753466941122308210460 z^{48} \\ &+ 1481378692171395272316985440 z^{46} \end{aligned} $	$\{[48, 2\sqrt{6}]\}$

		$+1156279748414608466755773552 z^{44} + 764388988120413971563982112 z^{42}$ $+427362934267088267297184552 z^{40} + 201659460815894589046006368 z^{38}$ $+80094124832427689399552400 z^{36} + 26683923132974432097688608 z^{34}$ $+7425436943272119366529263 z^{32} + 1717024113672434927906064 z^{30}$ $+327877739009167726271112 z^{28} + 51319993930819408278576 z^{26}$ $+6525429587824090087620 z^{24} + 666796951890172901520 z^{22}$ $+54045647598128812920 z^{20} + 3419471548492938288 z^{18}$ $+165563024253244290 z^{16} + 5982402801505392 z^{14} + 156167222066072 z^{12}$ $+2819994117456 z^{10} + 33147953172 z^8 + 231759472 z^6 + 845928 z^4 + 1488 z^2 + 1$	
$\{[96, 2, 93]\}$	$x^3 + x^2 + x + 1$	$z^{96} + 1104 z^{94} + 831336 z^{92} + 231749104 z^{90} + 33150400020 z^{88} + 2819980329936 z^{86}$ $+ 156167172836504 z^{84} + 5982403597791216 z^{82} + 165563021380147074 z^{80}$ $+ 3419471545584965040 z^{78} + 54045647663689291896 z^{76}$ $+ 666796951617398628624 z^{74} + 6525429588328939527876 z^{72}$ $+ 51319993931040580282800 z^{70} + 327877739005156562357640 z^{68}$ $+ 1717024113684059604977040 z^{66} + 7425436943255857739161839 z^{64}$ $+ 26683923132974356560166176 z^{62} + 80094124832482510800043920 z^{60}$ $+ 201659460815758541775469920 z^{58} + 427362934267273037093922600 z^{56}$ $+ 764388988120286571422613024 z^{54} + 1156279748414559685609823856 z^{52}$ $+ 1481378692171647224317096800 z^{50}$ $+ 1608766753466598912808163100 z^{48}$ $+ 1481378692171647224317096800 z^{46}$ $+ 1156279748414559685609823856 z^{44} + 764388988120286571422613024 z^{42}$ $+ 427362934267273037093922600 z^{40} + 201659460815758541775469920 z^{38}$ $+ 80094124832482510800043920 z^{36} + 26683923132974356560166176 z^{34}$ $+ 7425436943255857739161839 z^{32} + 1717024113684059604977040 z^{30}$ $+ 327877739005156562357640 z^{28} + 51319993931040580282800 z^{26}$ $+ 6525429588328939527876 z^{24} + 666796951617398628624 z^{22}$ $+ 54045647663689291896 z^{20} + 3419471545584965040 z^{18}$ $+ 165563021380147074 z^{16} + 5982403597791216 z^{14} + 156167172836504 z^{12}$ $+ 2819980329936 z^{10} + 33150400020 z^8 + 231749104 z^6 + 831336 z^4 + 1104 z^2 + 1$	$\{[48, 2\sqrt{6}]\}$
		$z^{98} + 637 z^{96} + 19208 z^{95} + 449820 z^{94} + 8489936 z^{93} + 131601652 z^{92}$	

{[98, 2, 95]}

$x^3+x+1$

$$\begin{aligned} &+1729238616 z^{91}+19670636440 z^{90}+196708963360 z^{89}+1750702017792 z^{88} \\ &+14005606383496 z^{87}+101540708559836 z^{86}+671730838829232 z^{85} \\ &+4078365456272660 z^{84}+22838846871940120 z^{83}+118476519610212246 z^{82} \\ &+571474974375239872 z^{81}+2571637380274802406 z^{80} \\ &+10827946877675040120 z^{79}+42770390174858246628 z^{78} \\ &+158861449168177387632 z^{77}+556015072092622085580 z^{76} \\ &+1837267194907066342056 z^{75}+5741459983982422408800 z^{74} \\ &+16994721552163187562912 z^{73}+47715948973872781080024 z^{72} \\ &+127242530597861737498552 z^{71}+322650702585815174156740 z^{70} \\ &+778812040723059246011920 z^{69}+1791267693667258756352396 z^{68} \\ &+3929232360303448205979944 z^{67}+8226830254376224956406235 z^{66} \\ &+16453660508753929814010112 z^{65}+31455527443222642987835335 z^{64} \\ &+57518678753312570794685776 z^{63}+100657687818271519635977368 z^{62} \\ &+168669639046856932465001248 z^{61}+270759157417355353187042056 z^{60} \\ &+416552549872807691583374960 z^{59}+614415011062359193424305232 z^{58} \\ &+869172454673657011924988480 z^{57}+1179591188485697255057216224 z^{56} \\ &+1536211780353362206567997776 z^{55} \\ &+1920264725441708765810490520 z^{54} \\ &+2304317670530172989020785120 z^{53} \\ &+2654974707349940415351500232 z^{52} \\ &+2937418825153001944269640944 z^{51} \\ &+3121007501725142055613336932 z^{50} \\ &+3184701532372699362635164800 z^{49} \\ &+3121007501725142055613336932 z^{48} \\ &+2937418825153001944269640944 z^{47} \\ &+2654974707349940415351500232 z^{46} \\ &+2304317670530172989020785120 z^{45} \\ &+1920264725441708765810490520 z^{44} \\ &+1536211780353362206567997776 z^{43} \\ &+1179591188485697255057216224 z^{42}+869172454673657011924988480 z^{41} \\ &+614415011062359193424305232 z^{40}+416552549872807691583374960 z^{39} \end{aligned}$$

$$\left\{ \left[ 49, \frac{7\sqrt{2}}{2} \right] \right\}$$

		$ \begin{aligned} &+270759157417355353187042056 z^{38} + 168669639046856932465001248 z^{37} \\ &+ 100657687818271519635977368 z^{36} + 57518678753312570794685776 z^{35} \\ &+ 31455527443222642987835335 z^{34} + 16453660508753929814010112 z^{33} \\ &+ 8226830254376224956406235 z^{32} + 3929232360303448205979944 z^{31} \\ &+ 1791267693667258756352396 z^{30} + 778812040723059246011920 z^{29} \\ &+ 322650702585815174156740 z^{28} + 127242530597861737498552 z^{27} \\ &+ 47715948973872781080024 z^{26} + 16994721552163187562912 z^{25} \\ &+ 5741459983982422408800 z^{24} + 1837267194907066342056 z^{23} \\ &+ 556015072092622085580 z^{22} + 158861449168177387632 z^{21} \\ &+ 42770390174858246628 z^{20} + 10827946877675040120 z^{19} \\ &+ 2571637380274802406 z^{18} + 571474974375239872 z^{17} \\ &+ 118476519610212246 z^{16} + 22838846871940120 z^{15} + 4078365456272660 z^{14} \\ &+ 671730838829232 z^{13} + 101540708559836 z^{12} + 14005606383496 z^{11} \\ &+ 1750702017792 z^{10} + 196708963360 z^9 + 19670636440 z^8 + 1729238616 z^7 \\ &+ 131601652 z^6 + 8489936 z^5 + 449820 z^4 + 19208 z^3 + 637 z^2 + 1 \end{aligned} $	
		$ \begin{aligned} &z^{98} + 637 z^96 + 19208 z^95 + 449820 z^94 + 8489936 z^93 + 131601652 z^92 \\ &+ 1729238616 z^91 + 19670636440 z^90 + 196708963360 z^89 + 1750702017792 z^{88} \\ &+ 14005606383496 z^{87} + 101540708559836 z^{86} + 671730838829232 z^{85} \\ &+ 4078365456272660 z^{84} + 22838846871940120 z^{83} + 118476519610212246 z^{82} \\ &+ 571474974375239872 z^{81} + 2571637380274802406 z^{80} \\ &+ 10827946877675040120 z^{79} + 42770390174858246628 z^{78} \\ &+ 158861449168177387632 z^{77} + 556015072092622085580 z^{76} \\ &+ 1837267194907066342056 z^{75} + 5741459983982422408800 z^{74} \\ &+ 16994721552163187562912 z^{73} + 47715948973872781080024 z^{72} \\ &+ 127242530597861737498552 z^{71} + 322650702585815174156740 z^{70} \\ &+ 778812040723059246011920 z^{69} + 1791267693667258756352396 z^{68} \\ &+ 3929232360303448205979944 z^{67} + 8226830254376224956406235 z^{66} \\ &+ 16453660508753929814010112 z^{65} + 31455527443222642987835335 z^{64} \\ &+ 57518678753312570794685776 z^{63} + 100657687818271519635977368 z^{62} \\ &+ 168669639046856932465001248 z^{61} + 270759157417355353187042056 z^{60} \\ &+ 416552549872807691583374960 z^{59} + 614415011062359193424305232 z^{58} \end{aligned} $	

$\{[98, 2, 95]\}$	$x^3 + x^2 + 1$	$ \begin{aligned} &+ 869172454673657011924988480 z^{57} + 1179591188485697255057216224 z^{56} \\ &+ 1536211780353362206567997776 z^{55} \\ &+ 1920264725441708765810490520 z^{54} \\ &+ 2304317670530172989020785120 z^{53} \\ &+ 2654974707349940415351500232 z^{52} \\ &+ 2937418825153001944269640944 z^{51} \\ &+ 3121007501725142055613336932 z^{50} \\ &+ 3184701532372699362635164800 z^{49} \\ &+ 3121007501725142055613336932 z^{48} \\ &+ 2937418825153001944269640944 z^{47} \\ &+ 2654974707349940415351500232 z^{46} \\ &+ 2304317670530172989020785120 z^{45} \\ &+ 1920264725441708765810490520 z^{44} \\ &+ 1536211780353362206567997776 z^{43} \\ &+ 1179591188485697255057216224 z^{42} + 869172454673657011924988480 z^{41} \\ &+ 614415011062359193424305232 z^{40} + 416552549872807691583374960 z^{39} \\ &+ 270759157417355353187042056 z^{38} + 168669639046856932465001248 z^{37} \\ &+ 100657687818271519635977368 z^{36} + 57518678753312570794685776 z^{35} \\ &+ 31455527443222642987835335 z^{34} + 16453660508753929814010112 z^{33} \\ &+ 8226830254376224956406235 z^{32} + 3929232360303448205979944 z^{31} \\ &+ 1791267693667258756352396 z^{30} + 778812040723059246011920 z^{29} \\ &+ 322650702585815174156740 z^{28} + 127242530597861737498552 z^{27} \\ &+ 47715948973872781080024 z^{26} + 16994721552163187562912 z^{25} \\ &+ 5741459983982422408800 z^{24} + 1837267194907066342056 z^{23} \\ &+ 556015072092622085580 z^{22} + 158861449168177387632 z^{21} \\ &+ 42770390174858246628 z^{20} + 10827946877675040120 z^{19} \\ &+ 2571637380274802406 z^{18} + 571474974375239872 z^{17} \\ &+ 118476519610212246 z^{16} + 22838846871940120 z^{15} + 4078365456272660 z^{14} \\ &+ 671730838829232 z^{13} + 101540708559836 z^{12} + 14005606383496 z^{11} \\ &+ 1750702017792 z^{10} + 196708963360 z^9 + 19670636440 z^8 + 1729238616 z^7 \\ &+ 131601652 z^6 + 8489936 z^5 + 449820 z^4 + 19208 z^3 + 637 z^2 + 1 \end{aligned} $	$\left\{ \left[ 49, \frac{7\sqrt{2}}{2} \right] \right\}$
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$\{[99, 2, 96]\}$	$x^3+1$	$ \begin{aligned} &35937 z^{96} + 17824752 z^{94} + 3722402376 z^{92} + 432761872400 z^{90} \\ &+ 31512558793716 z^{88} + 1546543222438896 z^{86} + 53834426456599800 z^{84} \\ &+ 1379902972704440976 z^{82} + 26799168564402042402 z^{80} \\ &+ 403263678681362890512 z^{78} + 4786564533417212059800 z^{76} \\ &+ 45472363074839403022320 z^{74} + 349916959138002558757092 z^{72} \\ &+ 2202925486621482455328144 z^{70} + 11441000107956097988983080 z^{68} \\ &+ 49360981526204884637766384 z^{66} + 177948412393159160827538607 z^{64} \\ &+ 538654653730221195179387232 z^{62} + 1374623414580147562795297872 z^{60} \\ &+ 2967174931472541654281122464 z^{58} \\ &+ 5431605937677387653438068200 z^{56} \\ &+ 8449164791944331012074322784 z^{54} \\ &+ 11184787065005927173725586992 z^{52} \\ &+ 12611418068194882601373989280 z^{50} \\ &+ 12116852653757528119811080284 z^{48} \\ &+ 9918584755759115177311275552 z^{46} \\ &+ 6912953011590717056831044272 z^{44} \\ &+ 4097527286318684378731827168 z^{42} \\ &+ 2061935121870078973692425064 z^{40} + 878857592928673496668646688 z^{38} \\ &+ 316352733143048915831897808 z^{36} + 95818375903966009805152224 z^{34} \\ &+ 24312125229384681313768143 z^{32} + 5140159468759697451579312 z^{30} \\ &+ 899786466375331115268072 z^{28} + 129421341051198868854864 z^{26} \\ &+ 15157454357032971402276 z^{24} + 1429753042991839076784 z^{22} \\ &+ 107196673975751258712 z^{20} + 6286224722529028816 z^{18} \\ &+ 282630735722661282 z^{16} + 9500191491021264 z^{14} + 231092735108664 z^{12} \\ &+ 3894832594224 z^{10} + 42797290932 z^8 + 280155216 z^6 + 959112 z^4 + 1584 z^2 + 1 \end{aligned} $	$ \left\{ \left[ \frac{99}{2}, \frac{3\sqrt{11}}{2} \right] \right\} $
		$ \begin{aligned} &z^{100} + 1200 z^{98} + 981225 z^{96} + 297998400 z^{94} + 46522146300 z^{92} + 4327575775040 z^{90} \\ &+ 262605274694700 z^{88} + 11046735594417600 z^{86} + 336465157664362650 z^{84} \\ &+ 7666127698867976800 z^{82} + 133995842608656629370 z^{80} \\ &+ 1833016721266398763200 z^{78} + 19944018891566141927100 z^{76} \\ &+ 174893704124976970728000 z^{74} + 1249703425509385015543500 z^{72} \\ &+ 7343084955401048083809600 z^{70} + 35753125337297257157328375 z^{68} \end{aligned} $	



{ [100, 2, 97] }	$x^3+x^2+x+1$	$ \begin{aligned} &+145179357430214966837202000 z^{66}+494301145536246787507605375 z^{64} \\ &+1417512246658648926238992000 z^{62} \\ &+3436558536450738222226025400 z^{60} \\ &+7064702217790593046007568000 z^{58} \\ &+12344558949268495499202639000 z^{56} \\ &+18367749547703668303536240000 z^{54} \\ &+23301639718762560398890447500 z^{52} \\ &+25222836136390953525748296000 z^{50} \\ &+23301639718762560398890447500 z^{48} \\ &+18367749547703668303536240000 z^{46} \\ &+12344558949268495499202639000 z^{44} \\ &+7064702217790593046007568000 z^{42} \\ &+3436558536450738222226025400 z^{40} \\ &+1417512246658648926238992000 z^{38}+494301145536246787507605375 z^{36} \\ &+145179357430214966837202000 z^{34}+35753125337297257157328375 z^{32} \\ &+7343084955401048083809600 z^{30}+1249703425509385015543500 z^{28} \\ &+174893704124976970728000 z^{26}+19944018891566141927100 z^{24} \\ &+1833016721266398763200 z^{22}+133995842608656629370 z^{20} \\ &+7666127698867976800 z^{18}+336465157664362650 z^{16} \\ &+11046735594417600 z^{14}+262605274694700 z^{12}+4327575775040 z^{10} \\ &+46522146300 z^8+297998400 z^6+981225 z^4+1200 z^2+1 \end{aligned} $	{ [50, 5] }
		$ \begin{aligned} &z^{102}+1683 z^{100}+1083291 z^{98}+336694809 z^{96}+54820118892 z^{94} \\ &+5325227641668 z^{92}+337747910236724 z^{90}+14864610592066620 z^{88} \\ &+474181132347467754 z^{86}+11327660313495728158 z^{84} \\ &+207832756600736895870 z^{82}+2987933269961259095562 z^{80} \\ &+34209670765559943547404 z^{78}+316097357873080827505572 z^{76} \\ &+2383273730041412141442036 z^{74}+14798212286849172985076988 z^{72} \\ &+76258529446153792124581095 z^{70}+328278696278873436209128677 z^{68} \\ &+1187014079560091516298138381 z^{66} \\ &+3621828165942500690387637855 z^{64} \\ &+9361032798126109602042208536 z^{62} \end{aligned} $	

$\{[102, 2, 99]\}$	$x^3 + 1$	$ \begin{aligned} &+20559480860926179364188752712 z^{60} \\ &+38467527615053914624276473768 z^{58} \\ &+61436544104037634358564569656 z^{56} \\ &+83876132908000856282356478124 z^{54} \\ &+97981017299056431735103229508 z^{52} \\ &+97981017299056431735103229508 z^{50} \\ &+83876132908000856282356478124 z^{48} \\ &+61436544104037634358564569656 z^{46} \\ &+38467527615053914624276473768 z^{44} \\ &+20559480860926179364188752712 z^{42} \\ &+9361032798126109602042208536 z^{40} \\ &+3621828165942500690387637855 z^{38} \\ &+1187014079560091516298138381 z^{36} + 328278696278873436209128677 z^{34} \\ &+76258529446153792124581095 z^{32} + 14798212286849172985076988 z^{30} \\ &+2383273730041412141442036 z^{28} + 316097357873080827505572 z^{26} \\ &+34209670765559943547404 z^{24} + 2987933269961259095562 z^{22} \\ &+207832756600736895870 z^{20} + 11327660313495728158 z^{18} \\ &+474181132347467754 z^{16} + 14864610592066620 z^{14} + 337747910236724 z^{12} \\ &+5325227641668 z^{10} + 54820118892 z^8 + 336694809 z^6 + 1083291 z^4 + 1683 z^2 \\ &+ 1 \end{aligned} $	$ \left\{ \left[ 51, \frac{\sqrt{102}}{2} \right] \right\} $
		$ \begin{aligned} &z^{104} + 1300 z^{102} + 1150526 z^{100} + 379328820 z^{98} + 64394083845 z^{96} \\ &+ 6525244638640 z^{94} + 432149300655800 z^{92} + 19878867027459440 z^{90} \\ &+ 663457190954657190 z^{88} + 16599438721514488840 z^{86} \\ &+ 319320781786710924220 z^{84} + 4818840888556917240200 z^{82} \\ &+ 57983226779314106085270 z^{80} + 563775374221503604553904 z^{78} \\ &+ 4478882139653722316729304 z^{76} + 29344400225305437669961200 z^{74} \\ &+ 159796824614038145994564195 z^{72} + 728058259738774333889383500 z^{70} \\ &+ 2790889995665396710792185570 z^{68} \\ &+ 9043595177988137327312426220 z^{66} \\ &+ 24869886739467629639364960375 z^{64} \\ &+ 58231929926557987073598764640 z^{62} \end{aligned} $	

$\{[104, 2, 101]\}$	$x^3+x^2+x+1$	$ \begin{aligned} &+116402303901819891958119826800 z^{60} \\ &+199064809571227609387922849760 z^{58} \\ &+291714654451453933077059250660 z^{56} \\ &+366726994167541327113363663600 z^{54} \\ &+395766462031487665778286743112 z^{52} \\ &+366726994167541327113363663600 z^{50} \\ &+291714654451453933077059250660 z^{48} \\ &+199064809571227609387922849760 z^{46} \\ &+116402303901819891958119826800 z^{44} \\ &+58231929926557987073598764640 z^{42} \\ &+24869886739467629639364960375 z^{40} \\ &+9043595177988137327312426220 z^{38} \\ &+2790889995665396710792185570 z^{36} + 728058259738774333889383500 z^{34} \\ &+159796824614038145994564195 z^{32} + 29344400225305437669961200 z^{30} \\ &+4478882139653722316729304 z^{28} + 563775374221503604553904 z^{26} \\ &+57983226779314106085270 z^{24} + 4818840888556917240200 z^{22} \\ &+319320781786710924220 z^{20} + 16599438721514488840 z^{18} \\ &+663457190954657190 z^{16} + 19878867027459440 z^{14} + 432149300655800 z^{12} \\ &+6525244638640 z^{10} + 64394083845 z^8 + 379328820 z^6 + 1150526 z^4 + 1300 z^2 \\ &+ 1 \end{aligned} $	$\{[52, \sqrt{26}]\}$
		$ \begin{aligned} &42875 z^{102} + 24052875 z^{100} + 5690910225 z^{98} + 751271392025 z^{96} \\ &+ 62286329448420 z^{94} + 3490436683783140 z^{92} + 139152073796189468 z^{90} \\ &+ 4097823795780593340 z^{88} + 91733740375958412270 z^{86} \\ &+ 1596603909075776003150 z^{84} + 21999056228784041081850 z^{82} \\ &+ 243529552478044776181770 z^{80} + 2192459788635107005570500 z^{78} \\ &+ 16216642229755083330591300 z^{76} + 99392323343899786088662620 z^{74} \\ &+ 508444441953477897151606140 z^{72} + 2184174779216642941817293437 z^{70} \\ &+ 7920093230942462452149231405 z^{68} \\ &+ 24348140863812930626993712615 z^{66} \\ &+ 63691173357175904385941048415 z^{64} \\ &+ 142194247495080488197320479880 z^{62} \end{aligned} $	

$\{[105, 2, 102]\}$	$x^3 + 1$	$ \begin{aligned} &+271605375770913666540436000392 z^{60} \\ &+444719255425087260544381518840 z^{58} \\ &+625102830967392169208403537720 z^{56} \\ &+755026164462595451212841295780 z^{54} \\ &+784065632326525522741817663460 z^{52} \\ &+700115170683488130781455198156 z^{50} \\ &+537369100305314939037367267500 z^{48} \\ &+354267881440313992908058247400 z^{46} \\ &+200364621470349886712943611880 z^{44} \\ &+97053216544262239311108831960 z^{42} \\ &+40174432425292971002002841112 z^{40} \\ &+14172798413266274594610520485 z^{38} \\ &+4247006515142181838832381205 z^{36} \\ &+1076705877078747661018347375 z^{34} + 229844747732513343722713575 z^{32} \\ &+41082160315378424128732692 z^{30} + 6107566554101915194547220 z^{28} \\ &+749321699907116738910060 z^{26} + 75163442121346650391180 z^{24} \\ &+6096124016395039525710 z^{22} + 394455083106460053678 z^{20} \\ &+20033805394045751770 z^{18} + 782730396344530410 z^{16} \\ &+22937152317173460 z^{14} + 487910738081620 z^{12} + 7212124954188 z^{10} \\ &+69700244460 z^8 + 402439555 z^6 + 1219155 z^4 + 1785 z^2 + 1 \end{aligned} $	$ \left\{ \left[ \frac{105}{2}, \frac{\sqrt{105}}{2} \right] \right\} $
		$ \begin{aligned} &z^{105} + 735 z^{103} + 23625 z^{102} + 595455 z^{101} + 12072375 z^{100} + 201197185 z^{99} \\ &+ 2844995175 z^{98} + 34852175820 z^{97} + 375632312825 z^{96} + 3606057081396 z^{95} \\ &+ 31143210975660 z^{94} + 243955257897540 z^{93} + 1745218331531220 z^{92} \\ &+ 11468577013685820 z^{91} + 69576034732502564 z^{90} \\ &+ 391365197777634570 z^{89} + 2048911911578393820 z^{88} \\ &+ 10016902672446228790 z^{87} + 45866870163544101210 z^{86} \\ &+ 197227541707266384006 z^{85} + 798301954402945203750 z^{84} \\ &+ 3048062007785997778170 z^{83} + 10999528115454732864150 z^{82} \\ &+ 37581721060685930498860 z^{81} + 121764776235614807111082 z^{80} \\ &+ 374660849957629482635220 z^{79} + 1096229894322361289214220 z^{78} \\ &+ 3053783277034779284611140 z^{77} + 8108321114883484215257460 z^{76} \end{aligned} $	

$\{[105, 2, 102]\}$

$x^3 + x + 1$

$$\begin{aligned}
& +20541080157720821210623804 z^{75} + 49696161671902644283432740 z^{74} \\
& +114922373866239710626415175 z^{73} + 254222220976853792493442780 z^{72} \\
& +538352938539284548563675225 z^{71} + 1092087389608196122720849599 z^{70} \\
& +2123503257571394387935655465 z^{69} \\
& +3960046615471138734290101185 z^{68} \\
& +7086399206632678366263869655 z^{67} \\
& +12174070431907109121065999105 z^{66} \\
& +20087216212646652921791823576 z^{65} \\
& +31845586678586674174582471455 z^{64} \\
& +48526608272132019018257271080 z^{63} \\
& +71097123747541527309274052760 z^{62} \\
& +100182310735172463578251767240 z^{61} \\
& +135802687885456896395486266984 z^{60} \\
& +177133940720160494431947007800 z^{59} \\
& +222359627712540986528643532680 z^{58} \\
& +268684550152654769456445150700 z^{57} \\
& +312551415483701193830102776440 z^{56} \\
& +350057585341743924554880135060 z^{55} \\
& +377513082231292050798225786700 z^{54} \\
& +392032816163266398946619339700 z^{53} \\
& +392032816163266398946619339700 z^{52} \\
& +377513082231292050798225786700 z^{51} \\
& +350057585341743924554880135060 z^{50} \\
& +312551415483701193830102776440 z^{49} \\
& +268684550152654769456445150700 z^{48} \\
& +222359627712540986528643532680 z^{47} \\
& +177133940720160494431947007800 z^{46} \\
& +135802687885456896395486266984 z^{45} \\
& +100182310735172463578251767240 z^{44} \\
& +71097123747541527309274052760 z^{43} \\
& +48526608272132019018257271080 z^{42}
\end{aligned}$$

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

		$ \begin{aligned} &+31845586678586674174582471455 z^{41} \\ &+20087216212646652921791823576 z^{40} \\ &+12174070431907109121065999105 z^{39} \\ &+7086399206632678366263869655 z^{38} \\ &+3960046615471138734290101185 z^{37} \\ &+2123503257571394387935655465 z^{36} \\ &+1092087389608196122720849599 z^{35} + 538352938539284548563675225 z^{34} \\ &+254222220976853792493442780 z^{33} + 114922373866239710626415175 z^{32} \\ &+49696161671902644283432740 z^{31} + 20541080157720821210623804 z^{30} \\ &+8108321114883484215257460 z^{29} + 3053783277034779284611140 z^{28} \\ &+1096229894322361289214220 z^{27} + 374660849957629482635220 z^{26} \\ &+121764776235614807111082 z^{25} + 37581721060685930498860 z^{24} \\ &+10999528115454732864150 z^{23} + 3048062007785997778170 z^{22} \\ &+798301954402945203750 z^{21} + 197227541707266384006 z^{20} \\ &+45866870163544101210 z^{19} + 10016902672446228790 z^{18} \\ &+2048911911578393820 z^{17} + 391365197777634570 z^{16} \\ &+69576034732502564 z^{15} + 11468577013685820 z^{14} + 1745218331531220 z^{13} \\ &+243955257897540 z^{12} + 31143210975660 z^{11} + 3606057081396 z^{10} \\ &+375632312825 z^9 + 34852175820 z^8 + 2844995175 z^7 + 201197185 z^6 \\ &+12072375 z^5 + 595455 z^4 + 23625 z^3 + 735 z^2 + 1 \end{aligned} $	
		$ \begin{aligned} &z^{105} + 735 z^{103} + 23625 z^{102} + 595455 z^{101} + 12072375 z^{100} + 201197185 z^{99} \\ &+ 2844995175 z^{98} + 34852175820 z^{97} + 375632312825 z^{96} + 3606057081396 z^{95} \\ &+ 31143210975660 z^{94} + 243955257897540 z^{93} + 1745218331531220 z^{92} \\ &+ 11468577013685820 z^{91} + 69576034732502564 z^{90} \\ &+ 391365197777634570 z^{89} + 2048911911578393820 z^{88} \\ &+ 10016902672446228790 z^{87} + 45866870163544101210 z^{86} \\ &+ 197227541707266384006 z^{85} + 798301954402945203750 z^{84} \\ &+ 3048062007785997778170 z^{83} + 10999528115454732864150 z^{82} \\ &+ 37581721060685930498860 z^{81} + 121764776235614807111082 z^{80} \\ &+ 374660849957629482635220 z^{79} + 1096229894322361289214220 z^{78} \\ &+ 3053783277034779284611140 z^{77} + 8108321114883484215257460 z^{76} \end{aligned} $	

$\{[105, 2, 102]\}$

$x^3 + x^2 + 1$

$$\begin{aligned}
& +20541080157720821210623804 z^{75} + 49696161671902644283432740 z^{74} \\
& +114922373866239710626415175 z^{73} + 254222220976853792493442780 z^{72} \\
& +538352938539284548563675225 z^{71} + 1092087389608196122720849599 z^{70} \\
& +2123503257571394387935655465 z^{69} \\
& +3960046615471138734290101185 z^{68} \\
& +7086399206632678366263869655 z^{67} \\
& +12174070431907109121065999105 z^{66} \\
& +20087216212646652921791823576 z^{65} \\
& +31845586678586674174582471455 z^{64} \\
& +48526608272132019018257271080 z^{63} \\
& +71097123747541527309274052760 z^{62} \\
& +100182310735172463578251767240 z^{61} \\
& +135802687885456896395486266984 z^{60} \\
& +177133940720160494431947007800 z^{59} \\
& +222359627712540986528643532680 z^{58} \\
& +268684550152654769456445150700 z^{57} \\
& +312551415483701193830102776440 z^{56} \\
& +350057585341743924554880135060 z^{55} \\
& +377513082231292050798225786700 z^{54} \\
& +392032816163266398946619339700 z^{53} \\
& +392032816163266398946619339700 z^{52} \\
& +377513082231292050798225786700 z^{51} \\
& +350057585341743924554880135060 z^{50} \\
& +312551415483701193830102776440 z^{49} \\
& +268684550152654769456445150700 z^{48} \\
& +222359627712540986528643532680 z^{47} \\
& +177133940720160494431947007800 z^{46} \\
& +135802687885456896395486266984 z^{45} \\
& +100182310735172463578251767240 z^{44} \\
& +71097123747541527309274052760 z^{43} \\
& +48526608272132019018257271080 z^{42}
\end{aligned}$$

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

		$ \begin{aligned} &+31845586678586674174582471455 z^{41} \\ &+20087216212646652921791823576 z^{40} \\ &+12174070431907109121065999105 z^{39} \\ &+7086399206632678366263869655 z^{38} \\ &+3960046615471138734290101185 z^{37} \\ &+2123503257571394387935655465 z^{36} \\ &+1092087389608196122720849599 z^{35} + 538352938539284548563675225 z^{34} \\ &+254222220976853792493442780 z^{33} + 114922373866239710626415175 z^{32} \\ &+49696161671902644283432740 z^{31} + 20541080157720821210623804 z^{30} \\ &+8108321114883484215257460 z^{29} + 3053783277034779284611140 z^{28} \\ &+1096229894322361289214220 z^{27} + 374660849957629482635220 z^{26} \\ &+121764776235614807111082 z^{25} + 37581721060685930498860 z^{24} \\ &+10999528115454732864150 z^{23} + 3048062007785997778170 z^{22} \\ &+798301954402945203750 z^{21} + 197227541707266384006 z^{20} \\ &+45866870163544101210 z^{19} + 10016902672446228790 z^{18} \\ &+2048911911578393820 z^{17} + 391365197777634570 z^{16} \\ &+69576034732502564 z^{15} + 11468577013685820 z^{14} + 1745218331531220 z^{13} \\ &+243955257897540 z^{12} + 31143210975660 z^{11} + 3606057081396 z^{10} \\ &+375632312825 z^9 + 34852175820 z^8 + 2844995175 z^7 + 201197185 z^6 \\ &+12072375 z^5 + 595455 z^4 + 23625 z^3 + 735 z^2 + 1 \end{aligned} $	
		$ \begin{aligned} &z^{108} + 1890 z^{106} + 1367415 z^{104} + 478551276 z^{102} + 88001015355 z^{100} \\ &+ 9680710863978 z^{98} + 697157792479197 z^{96} + 34934479302031920 z^{94} \\ &+ 1272488504006203902 z^{92} + 34814620140339480588 z^{90} \\ &+ 733855543833185890578 z^{88} + 12161034733561389185112 z^{86} \\ &+ 161045586770351169799170 z^{84} + 1727399739910915770466284 z^{82} \\ &+ 15176440572263026229762190 z^{80} + 110247246455545987044696432 z^{78} \\ &+ 667484840939870955929169627 z^{76} + 3390965769481625999762608230 z^{74} \\ &+ 14538092925979732355663681613 z^{72} \\ &+ 52858272430739063197323990612 z^{70} \\ &+ 163657343487474032857521245217 z^{68} \\ &+ 432998174755472960435300362638 z^{66} \end{aligned} $	



$\{[108, 2, 105]\}$	$x^3 + 1$	$ \begin{aligned} &+981798186945572504389009890855 z^{64} \\ &+1912372120659162824700056712288 z^{62} \\ &+3205935886672444716817264892052 z^{60} \\ &+4632250219926707833239796591176 z^{58} \\ &+5774592468732132088038222875340 z^{56} \\ &+6214446122884391306471954942160 z^{54} \\ &+5774592468732132088038222875340 z^{52} \\ &+4632250219926707833239796591176 z^{50} \\ &+3205935886672444716817264892052 z^{48} \\ &+1912372120659162824700056712288 z^{46} \\ &+981798186945572504389009890855 z^{44} \\ &+432998174755472960435300362638 z^{42} \\ &+163657343487474032857521245217 z^{40} \\ &+52858272430739063197323990612 z^{38} \\ &+14538092925979732355663681613 z^{36} \\ &+3390965769481625999762608230 z^{34} + 667484840939870955929169627 z^{32} \\ &+110247246455545987044696432 z^{30} + 15176440572263026229762190 z^{28} \\ &+1727399739910915770466284 z^{26} + 161045586770351169799170 z^{24} \\ &+12161034733561389185112 z^{22} + 733855543833185890578 z^{20} \\ &+34814620140339480588 z^{18} + 1272488504006203902 z^{16} \\ &+34934479302031920 z^{14} + 697157792479197 z^{12} + 9680710863978 z^{10} \\ &+88001015355 z^8 + 478551276 z^6 + 1367415 z^4 + 1890 z^2 + 1 \end{aligned} $	$\{[54, 3\sqrt{3}]\}$
		$ \begin{aligned} &z^{108} + 1404 z^{106} + 1340847 z^{104} + 478369944 z^{102} + 88006644531 z^{100} \\ &+ 9680702435820 z^{98} + 697157442870525 z^{96} + 34934481748061280 z^{94} \\ &+ 1272488503291647390 z^{92} + 34814620071255297000 z^{90} \\ &+ 733855544235586011330 z^{88} + 12161034732677637184560 z^{86} \\ &+ 161045586769094806541490 z^{84} + 1727399739925838726670888 z^{82} \\ &+ 15176440572215319217220526 z^{80} + 110247246455608951076588256 z^{78} \\ &+ 667484840939961732064631163 z^{76} + 3390965769480973273100134260 z^{74} \\ &+ 14538092925981349411523317845 z^{72} \\ &+ 52858272430736908191495227880 z^{70} \end{aligned} $	

$\{[108, 2, 105]\}$	$x^3+x^2+x+1$	$ \begin{aligned} &+163657343487474556320505699305 z^{68} \\ &+432998174755477531007322977700 z^{66} \\ &+981798186945560988248841800295 z^{64} \\ &+1912372120659177709393339558080 z^{62} \\ &+3205935886672435970951234768340 z^{60} \\ &+4632250219926700620506898691440 z^{58} \\ &+5774592468732156922710916834668 z^{56} \\ &+6214446122884358772200061518496 z^{54} \\ &+5774592468732156922710916834668 z^{52} \\ &+4632250219926700620506898691440 z^{50} \\ &+3205935886672435970951234768340 z^{48} \\ &+1912372120659177709393339558080 z^{46} \\ &+981798186945560988248841800295 z^{44} \\ &+432998174755477531007322977700 z^{42} \\ &+163657343487474556320505699305 z^{40} \\ &+52858272430736908191495227880 z^{38} \\ &+14538092925981349411523317845 z^{36} \\ &+3390965769480973273100134260 z^{34} + 667484840939961732064631163 z^{32} \\ &+110247246455608951076588256 z^{30} + 15176440572215319217220526 z^{28} \\ &+1727399739925838726670888 z^{26} + 161045586769094806541490 z^{24} \\ &+12161034732677637184560 z^{22} + 733855544235586011330 z^{20} \\ &+34814620071255297000 z^{18} + 1272488503291647390 z^{16} \\ &+34934481748061280 z^{14} + 697157442870525 z^{12} + 9680702435820 z^{10} \\ &+88006644531 z^8 + 478369944 z^6 + 1340847 z^4 + 1404 z^2 + 1 \end{aligned} $	$\{[54, 3\sqrt{3}]\}$
		$ \begin{aligned} &50653 z^{108} + 31911390 z^{106} + 8491620879 z^{104} + 1263277107684 z^{102} \\ &+ 118309782714519 z^{100} + 7508131043474502 z^{98} + 339868083489781437 z^{96} \\ &+ 11395576568795966352 z^{94} + 291286932102604857702 z^{92} \\ &+ 5806319513616857348532 z^{90} + 91914267381427835719362 z^{88} \\ &+ 1172826051855664872304584 z^{86} + 12212761309110478692913546 z^{84} \\ &+ 104861295378053973183291636 z^{82} + 748912606346419425286186734 z^{80} \\ &+ 4482128477373326031077968464 z^{78} \end{aligned} $	

$\{[111, 2, 108]\}$	$x^3 + 1$	$ \begin{aligned} &+22621566079922712542584676271 z^{76} \\ &+96803998990663068554356431258 z^{74} \\ &+352857761503059699947029233333 z^{72} \\ &+1099883461465672439839043359068 z^{70} \\ &+2941548792291874619420056412373 z^{68} \\ &+6768533483677671119489566962498 z^{66} \\ &+13430623795086659371233615689703 z^{64} \\ &+23023926505862706466417338800928 z^{62} \\ &+34147643154969855889039308758532 z^{60} \\ &+43861631628662224023839356586808 z^{58} \\ &+48823755610894669169355704460396 z^{56} \\ &+47110641378933594217825163785968 z^{54} \\ &+39401126717272771618199389862268 z^{52} \\ &+28549668867269870178816987530232 z^{50} \\ &+17907498393448831593820117254228 z^{48} \\ &+9711374128754905783839224601888 z^{46} \\ &+4546029951723846650823689343723 z^{44} \\ &+1833139102442752409145306302898 z^{42} \\ &+635143970705524361678247992073 z^{40} \\ &+188513050666025416699969983708 z^{38} \\ &+47756639502056181353939081553 z^{36} \\ &+10282530036329836387600112874 z^{34} \\ &+1872281515864796772166336059 z^{32} + 286620874033596321018978640 z^{30} \\ &+36638283927389369899107126 z^{28} + 3879347709922674166073556 z^{26} \\ &+337018980419488129597362 z^{24} + 23753125280336058311112 z^{22} \\ &+1339919887026603597402 z^{20} + 59510233541531338452 z^{18} \\ &+2039208444973136862 z^{16} + 52556915629559952 z^{14} + 985916740179177 z^{12} \\ &+12885240635670 z^{10} + 110375455059 z^8 + 566298468 z^6 + 1528803 z^4 + 1998 z^2 \\ &+1 \end{aligned} $	$ \left\{ \left[ \frac{111}{2}, \frac{\sqrt{111}}{2} \right] \right\} $
		$ \begin{aligned} &z^{112} + 840 z^{110} + 28672 z^{109} + 773892 z^{108} + 16773120 z^{107} + 299084856 z^{106} \\ &+ 4528349184 z^{105} + 59436208314 z^{104} + 686822334464 z^{103} \end{aligned} $	

$$\begin{aligned}
&+7074249129304 z^{102}+65597578260480 z^{101}+552113117698772 z^{100} \\
&+4247023821795328 z^{99}+30032524665609768 z^{98}+196212496397008896 z^{97} \\
&+1189538262935870715 z^{96}+6717392530280054784 z^{95} \\
&+35452905014339796592 z^{94}+175398582770798600192 z^{93} \\
&+815603409862317347544 z^{92}+3573119700077595566080 z^{91} \\
&+14779722396047899062416 z^{90}+57833696333209460686848 z^{89} \\
&+214466623900811292329508 z^{88}+754922516128866532737024 z^{87} \\
&+2526086880898790325386256 z^{86}+8046054509532285343670272 z^{85} \\
&+24425522618203628372565912 z^{84}+70749789652729847590920192 z^{83} \\
&+195741084705937258184205040 z^{82}+517766740189868282863583232 z^{81} \\
&+1310597061105490949471897097 z^{80} \\
&+3177204996619495406410825728 z^{79} \\
&+7382329256851384206786010008 z^{78} \\
&+16452048058125584288808259584 z^{77} \\
&+35189102790990553338540130636 z^{76} \\
&+72280319246359811465935572992 z^{75} \\
&+142658524828341947072669173992 z^{74} \\
&+270685406084544608939142602752 z^{73} \\
&+494000866104294144319615425254 z^{72} \\
&+867513716085592495288965980160 z^{71} \\
&+1466511281954214502899124067976 z^{70} \\
&+2387343947367321938624263262208 z^{69} \\
&+3743789372007849277268686959708 z^{68} \\
&+5657281717700754837460237684736 z^{67} \\
&+8239953806216310184013598417400 z^{66} \\
&+11570998961920771404087401447424 z^{65} \\
&+15669061094267721655302633901307 z^{64} \\
&+20465712449655802509433816809472 z^{63} \\
&+25786797686566297309058271166368 z^{62} \\
&+31348656011119813104023498637312 z^{61} \\
&+36774384936121335212379776708112 z^{60}
\end{aligned}$$

$+41631379172967543992522298998784 z^{59}$   
 $+45486136503797856177430084551264 z^{58}$   
 $+47967198494914112816357599838208 z^{57}$   
 $+48823755610894735543782633618552 z^{56}$   
 $+47967198494914112816357599838208 z^{55}$   
 $+45486136503797856177430084551264 z^{54}$   
 $+41631379172967543992522298998784 z^{53}$   
 $+36774384936121335212379776708112 z^{52}$   
 $+31348656011119813104023498637312 z^{51}$   
 $+25786797686566297309058271166368 z^{50}$   
 $+20465712449655802509433816809472 z^{49}$   
 $+15669061094267721655302633901307 z^{48}$   
 $+11570998961920771404087401447424 z^{47}$   
 $+8239953806216310184013598417400 z^{46}$   
 $+5657281717700754837460237684736 z^{45}$   
 $+3743789372007849277268686959708 z^{44}$   
 $+2387343947367321938624263262208 z^{43}$   
 $+1466511281954214502899124067976 z^{42}$   
 $+867513716085592495288965980160 z^{41}$   
 $+494000866104294144319615425254 z^{40}$   
 $+270685406084544608939142602752 z^{39}$   
 $+142658524828341947072669173992 z^{38}$   
 $+72280319246359811465935572992 z^{37}$   
 $+35189102790990553338540130636 z^{36}$   
 $+16452048058125584288808259584 z^{35}$   
 $+7382329256851384206786010008 z^{34}$   
 $+3177204996619495406410825728 z^{33}$   
 $+1310597061105490949471897097 z^{32} + 517766740189868282863583232 z^{31}$   
 $+195741084705937258184205040 z^{30} + 70749789652729847590920192 z^{29}$   
 $+24425522618203628372565912 z^{28} + 8046054509532285343670272 z^{27}$   
 $+2526086880898790325386256 z^{26} + 754922516128866532737024 z^{25}$

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

		$ \begin{aligned} &+214466623900811292329508 z^{24} + 57833696333209460686848 z^{23} \\ &+14779722396047899062416 z^{22} + 3573119700077595566080 z^{21} \\ &+815603409862317347544 z^{20} + 175398582770798600192 z^{19} \\ &+35452905014339796592 z^{18} + 6717392530280054784 z^{17} \\ &+1189538262935870715 z^{16} + 196212496397008896 z^{15} \\ &+30032524665609768 z^{14} + 4247023821795328 z^{13} + 552113117698772 z^{12} \\ &+65597578260480 z^{11} + 7074249129304 z^{10} + 686822334464 z^9 \\ &+59436208314 z^8 + 4528349184 z^7 + 299084856 z^6 + 16773120 z^5 + 773892 z^4 \\ &+28672 z^3 + 840 z^2 + 1 \end{aligned} $	
$\{[112, 2, 109]\}$	$x^3 + x^2 + x + 1$	$ \begin{aligned} &z^{112} + 1512 z^{110} + 1553860 z^{108} + 598081176 z^{106} + 118873041210 z^{104} \\ &+ 14148497875512 z^{102} + 1104226195770516 z^{100} + 60065049809853000 z^{98} \\ &+ 2379076522506694395 z^{96} + 70905810045118263600 z^{94} \\ &+ 1631206819669062386520 z^{92} + 29559444792195279234000 z^{90} \\ &+ 428933247801829506180900 z^{88} + 5052173761794890969097552 z^{86} \\ &+ 48851045236421039303812120 z^{84} + 391482169411823595215450032 z^{82} \\ &+ 2621194122211133338511659017 z^{80} \\ &+ 14764658513702391103776576120 z^{78} \\ &+ 70378205581981907181843803532 z^{76} \\ &+ 285317049656682443410115905800 z^{74} \\ &+ 988001732208590512155778841190 z^{72} \\ &+ 2933022563908426217624574606120 z^{70} \\ &+ 7487578744015701136422516889500 z^{68} \\ &+ 16479907612432619390874433206360 z^{66} \\ &+ 31338122188535440933660969038075 z^{64} \\ &+ 51573595373132601808926771524640 z^{62} \\ &+ 73548769872242658021511158255888 z^{60} \\ &+ 90972273007595728825314341130720 z^{58} \\ &+ 97647511221789453076600583686776 z^{56} \\ &+ 90972273007595728825314341130720 z^{54} \\ &+ 73548769872242658021511158255888 z^{52} \\ &+ 51573595373132601808926771524640 z^{50} \end{aligned} $	$\{[56, 2\sqrt{7}]\}$

		$+31338122188535440933660969038075 z^{48}$ $+16479907612432619390874433206360 z^{46}$ $+7487578744015701136422516889500 z^{44}$ $+2933022563908426217624574606120 z^{42}$ $+988001732208590512155778841190 z^{40}$ $+285317049656682443410115905800 z^{38}$ $+70378205581981907181843803532 z^{36}$ $+14764658513702391103776576120 z^{34}$ $+2621194122211133338511659017 z^{32} + 391482169411823595215450032 z^{30}$ $+48851045236421039303812120 z^{28} + 5052173761794890969097552 z^{26}$ $+428933247801829506180900 z^{24} + 29559444792195279234000 z^{22}$ $+1631206819669062386520 z^{20} + 70905810045118263600 z^{18}$ $+2379076522506694395 z^{16} + 60065049809853000 z^{14}$ $+1104226195770516 z^{12} + 14148497875512 z^{10} + 118873041210 z^8$ $+598081176 z^6 + 1553860 z^4 + 1512 z^2 + 1$	
		$z^{112} + 840 z^{110} + 28672 z^{109} + 773892 z^{108} + 16773120 z^{107} + 299084856 z^{106}$ $+ 4528349184 z^{105} + 59436208314 z^{104} + 686822334464 z^{103}$ $+ 7074249129304 z^{102} + 65597578260480 z^{101} + 552113117698772 z^{100}$ $+ 4247023821795328 z^{99} + 30032524665609768 z^{98} + 196212496397008896 z^{97}$ $+ 1189538262935870715 z^{96} + 6717392530280054784 z^{95}$ $+ 35452905014339796592 z^{94} + 175398582770798600192 z^{93}$ $+ 815603409862317347544 z^{92} + 3573119700077595566080 z^{91}$ $+ 14779722396047899062416 z^{90} + 57833696333209460686848 z^{89}$ $+ 214466623900811292329508 z^{88} + 754922516128866532737024 z^{87}$ $+ 2526086880898790325386256 z^{86} + 8046054509532285343670272 z^{85}$ $+ 24425522618203628372565912 z^{84} + 70749789652729847590920192 z^{83}$ $+ 195741084705937258184205040 z^{82} + 517766740189868282863583232 z^{81}$ $+ 1310597061105490949471897097 z^{80}$ $+ 3177204996619495406410825728 z^{79}$ $+ 7382329256851384206786010008 z^{78}$ $+ 16452048058125584288808259584 z^{77}$	

$\{[112, 2, 109]\}$  $x^3 + x^2 + 1$ 
$$\begin{aligned} &+ 35189102790990553338540130636 z^{76} \\ &+ 72280319246359811465935572992 z^{75} \\ &+ 142658524828341947072669173992 z^{74} \\ &+ 270685406084544608939142602752 z^{73} \\ &+ 494000866104294144319615425254 z^{72} \\ &+ 867513716085592495288965980160 z^{71} \\ &+ 1466511281954214502899124067976 z^{70} \\ &+ 2387343947367321938624263262208 z^{69} \\ &+ 3743789372007849277268686959708 z^{68} \\ &+ 5657281717700754837460237684736 z^{67} \\ &+ 8239953806216310184013598417400 z^{66} \\ &+ 11570998961920771404087401447424 z^{65} \\ &+ 15669061094267721655302633901307 z^{64} \\ &+ 20465712449655802509433816809472 z^{63} \\ &+ 25786797686566297309058271166368 z^{62} \\ &+ 31348656011119813104023498637312 z^{61} \\ &+ 36774384936121335212379776708112 z^{60} \\ &+ 41631379172967543992522298998784 z^{59} \\ &+ 45486136503797856177430084551264 z^{58} \\ &+ 47967198494914112816357599838208 z^{57} \\ &+ 48823755610894735543782633618552 z^{56} \\ &+ 47967198494914112816357599838208 z^{55} \\ &+ 45486136503797856177430084551264 z^{54} \\ &+ 41631379172967543992522298998784 z^{53} \\ &+ 36774384936121335212379776708112 z^{52} \\ &+ 31348656011119813104023498637312 z^{51} \\ &+ 25786797686566297309058271166368 z^{50} \\ &+ 20465712449655802509433816809472 z^{49} \\ &+ 15669061094267721655302633901307 z^{48} \\ &+ 11570998961920771404087401447424 z^{47} \\ &+ 8239953806216310184013598417400 z^{46} \end{aligned}$$
 $\{[56, 2\sqrt{7}]\}$



		$+5657281717700754837460237684736 z^{45}$ $+3743789372007849277268686959708 z^{44}$ $+2387343947367321938624263262208 z^{43}$ $+1466511281954214502899124067976 z^{42}$ $+867513716085592495288965980160 z^{41}$ $+494000866104294144319615425254 z^{40}$ $+270685406084544608939142602752 z^{39}$ $+142658524828341947072669173992 z^{38}$ $+72280319246359811465935572992 z^{37}$ $+35189102790990553338540130636 z^{36}$ $+16452048058125584288808259584 z^{35}$ $+7382329256851384206786010008 z^{34}$ $+3177204996619495406410825728 z^{33}$ $+1310597061105490949471897097 z^{32} + 517766740189868282863583232 z^{31}$ $+195741084705937258184205040 z^{30} + 70749789652729847590920192 z^{29}$ $+24425522618203628372565912 z^{28} + 8046054509532285343670272 z^{27}$ $+2526086880898790325386256 z^{26} + 754922516128866532737024 z^{25}$ $+214466623900811292329508 z^{24} + 57833696333209460686848 z^{23}$ $+14779722396047899062416 z^{22} + 3573119700077595566080 z^{21}$ $+815603409862317347544 z^{20} + 175398582770798600192 z^{19}$ $+35452905014339796592 z^{18} + 6717392530280054784 z^{17}$ $+1189538262935870715 z^{16} + 196212496397008896 z^{15}$ $+30032524665609768 z^{14} + 4247023821795328 z^{13} + 552113117698772 z^{12}$ $+65597578260480 z^{11} + 7074249129304 z^{10} + 686822334464 z^9$ $+59436208314 z^8 + 4528349184 z^7 + 299084856 z^6 + 16773120 z^5 + 773892 z^4$ $+28672 z^3 + 840 z^2 + 1$	
		$z^{114} + 2109 z^{112} + 1704072 z^{110} + 667062640 z^{108} + 137577337614 z^{106}$ $+ 17014643088126 z^{104} + 1380765748670544 z^{102} + 78157367518441992 z^{100}$ $+ 3223991549807009415 z^{98} + 100154456860279566915 z^{96}$ $+ 2403706960009204957200 z^{94} + 45483130413146983748160 z^{92}$ $+ 689827477933536924322620 z^{90} + 8500797074072811919192956 z^{88}$	

$\{[114, 2, 111]\}$  $x^3+1$ 

$$\begin{aligned} &+86087437036431514907036352 z^{86} + 723332373259194712271769104 z^{84} \\ &+ 5083743252381613629045890577 z^{82} \\ &+ 30094672622394274602832577565 z^{80} \\ &+ 150951056328181785763437613176 z^{78} \\ &+ 644816532224105943455849628912 z^{76} \\ &+ 2356060406203463788534881301890 z^{74} \\ &+ 7391079160459344522412480257330 z^{72} \\ &+ 19969977097393487963394190186320 z^{70} \\ &+ 46596613227251268677837277421560 z^{68} \\ &+ 94102025648651153437288240548255 z^{66} \\ &+ 164774567360291359711264596974379 z^{64} \\ &+ 250516989289854306633619006082784 z^{62} \\ &+ 331046559571708770102598723110144 z^{60} \\ &+ 380488578209041545668795066802312 z^{58} \\ &+ 380488578209041545668795066802312 z^{56} \\ &+ 331046559571708770102598723110144 z^{54} \\ &+ 250516989289854306633619006082784 z^{52} \\ &+ 164774567360291359711264596974379 z^{50} \\ &+ 94102025648651153437288240548255 z^{48} \\ &+ 46596613227251268677837277421560 z^{46} \\ &+ 19969977097393487963394190186320 z^{44} \\ &+ 7391079160459344522412480257330 z^{42} \\ &+ 2356060406203463788534881301890 z^{40} \\ &+ 644816532224105943455849628912 z^{38} \\ &+ 150951056328181785763437613176 z^{36} \\ &+ 30094672622394274602832577565 z^{34} \\ &+ 5083743252381613629045890577 z^{32} + 723332373259194712271769104 z^{30} \\ &+ 86087437036431514907036352 z^{28} + 8500797074072811919192956 z^{26} \\ &+ 689827477933536924322620 z^{24} + 45483130413146983748160 z^{22} \\ &+ 2403706960009204957200 z^{20} + 100154456860279566915 z^{18} \\ &+ 3223991549807009415 z^{16} + 78157367518441992 z^{14} \end{aligned}$$

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

		$+1380765748670544 z^{12} + 17014643088126 z^{10} + 137577337614 z^8$ $+ 667062640 z^6 + 1704072 z^4 + 2109 z^2 + 1$	
$\{[116, 2, 113]\}$	$x^3 + x^2 + x + 1$	$z^{116} + 1624 z^{114} + 1791301 z^{112} + 741778240 z^{110} + 158825292670 z^{108}$ $+ 20393123285040 z^{106} + 1719511397111886 z^{104} + 101205525932096064 z^{102}$ $+ 4344247211752647951 z^{100} + 140549174443382608200 z^{98}$ $+ 3515948558814703612755 z^{96} + 69405737783450852622720 z^{94}$ $+ 1099175651639111270195580 z^{92} + 14157382393100771736282336 z^{90}$ $+ 150000837260267050014886460 z^{88} + 1320007367890260782252524928 z^{86}$ $+ 9727070422659303354248867105 z^{84}$ $+ 60443079310855685059542949400 z^{82}$ $+ 318621375224368944030013304853 z^{80}$ $+ 1432209880098156895067212493760 z^{78}$ $+ 5514008038377908166805061943666 z^{76}$ $+ 18251942984177737710074702746320 z^{74}$ $+ 52112577167298182151056639033730 z^{72}$ $+ 128695407960979841517727528478400 z^{70}$ $+ 275531392044119099343047439799575 z^{68}$ $+ 512375927409390424772079645608520 z^{66}$ $+ 828843411985778666093686261282827 z^{64}$ $+ 1167678769086883109139249328259328 z^{62}$ $+ 1433818540482659759860207553803656 z^{60}$ $+ 1535304789264553961943650327822400 z^{58}$ $+ 1433818540482659759860207553803656 z^{56}$ $+ 1167678769086883109139249328259328 z^{54}$ $+ 828843411985778666093686261282827 z^{52}$ $+ 512375927409390424772079645608520 z^{50}$ $+ 275531392044119099343047439799575 z^{48}$ $+ 128695407960979841517727528478400 z^{46}$ $+ 52112577167298182151056639033730 z^{44}$ $+ 18251942984177737710074702746320 z^{42}$ $+ 5514008038377908166805061943666 z^{40}$	$\{[58, \sqrt{29}]\}$

		$+1432209880098156895067212493760 z^{38}$ $+318621375224368944030013304853 z^{36}$ $+60443079310855685059542949400 z^{34}$ $+9727070422659303354248867105 z^{32}$ $+1320007367890260782252524928 z^{30} + 150000837260267050014886460 z^{28}$ $+14157382393100771736282336 z^{26} + 1099175651639111270195580 z^{24}$ $+69405737783450852622720 z^{22} + 3515948558814703612755 z^{20}$ $+140549174443382608200 z^{18} + 4344247211752647951 z^{16}$ $+101205525932096064 z^{14} + 1719511397111886 z^{12} + 20393123285040 z^{10}$ $+158825292670 z^8 + 741778240 z^6 + 1791301 z^4 + 1624 z^2 + 1$	
$\{[117, 2, 114]\}$	$x^3 + 1$	$59319 z^{114} + 41701257 z^{112} + 12399173748 z^{110} + 2064755882332 z^{108}$ $+ 216908504467902 z^{106} + 15475601220080274 z^{104}$ $+ 789403121691817620 z^{102} + 29898642500137073052 z^{100}$ $+ 865487021468740424325 z^{98} + 19588856258411115173355 z^{96}$ $+ 353063970455042354746680 z^{94} + 5144142049677874173581352 z^{92}$ $+ 61348657036852805392054828 z^{90} + 605175791704773183156394548 z^{88}$ $+ 4981963291715951672041691352 z^{86}$ $+ 34486886043972898978136662344 z^{84}$ $+ 202052579410571716807012285695 z^{82}$ $+ 1007532456790586476809988303713 z^{80}$ $+ 4296629640294441325685790213468 z^{78}$ $+ 15735096109517471521539143595156 z^{76}$ $+ 49662263468576665927942297975170 z^{74}$ $+ 135492700634975115661502077283310 z^{72}$ $+ 320369419817758630548520529544540 z^{70}$ $+ 657901487125753436558936499915060 z^{68}$ $+ 1175450656998013453079006844889653 z^{66}$ $+ 1829710928345964513218921922553755 z^{64}$ $+ 2483971199693914293117240360677712 z^{62}$ $+ 2943101214674933968843799308066032 z^{60}$ $+ 3044587463456826889532906839342440 z^{58}$	$\left\{ \left[ \frac{117}{2}, \right. \right.$

		$ \begin{aligned} &+2750110971089691581697392864783064 z^{56} \\ &+2168546285447069159310992504265360 z^{54} \\ &+1491918141574400965908300249063984 z^{52} \\ &+894746022491025505435975382584269 z^{50} \\ &+467205403900897462279494384411315 z^{48} \\ &+212075531428656860394426345555180 z^{46} \\ &+83522897651697203854748713712580 z^{44} \\ &+28473031055317189453477431379170 z^{42} \\ &+8378427798574253206095486418254 z^{40} \\ &+2121120961664359739892685543692 z^{38} \\ &+460230875324080656137150918980 z^{36} \\ &+85202894932175093898922976151 z^{34} \\ &+13389026346482329378736003961 z^{32} \\ &+1775182322335332134285520888 z^{30} + 197192111904075134900305512 z^{28} \\ &+18202348791058883363519148 z^{26} + 1382833884335763277079220 z^{24} \\ &+85478645480616714245400 z^{22} + 4240886405050594058760 z^{20} \\ &+166103570047224563325 z^{18} + 5032444770313742691 z^{16} \\ &+114961613180280516 z^{14} + 1916027874452172 z^{12} + 22298998367646 z^{10} \\ &+170473258098 z^8 + 782344836 z^6 + 1893996 z^4 + 2223 z^2 + 1 \end{aligned} $	$ \left. \frac{3\sqrt{13}}{2} \right\} $
		$ \begin{aligned} &z^{119} + 952 z^{117} + 34391 z^{116} + 989723 z^{115} + 22835624 z^{114} + 433801648 z^{113} \\ &+ 7001992861 z^{112} + 98030420950 z^{111} + 1209046144208 z^{110} \\ &+ 13299475856128 z^{109} + 131785722882170 z^{108} + 1186071757846346 z^{107} \\ &+ 9762282562198208 z^{106} + 73914423756903824 z^{105} \\ &+ 517400970158925958 z^{104} + 3363106310483325511 z^{103} \\ &+ 20376467619539364592 z^{102} + 115466649843493352600 z^{101} \\ &+ 613796401933595415521 z^{100} + 3068982009563492526245 z^{99} \\ &+ 14468058044558575786120 z^{98} + 64448622199318872460960 z^{97} \\ &+ 271805058842169037707235 z^{96} + 1087220235364422585202700 z^{95} \\ &+ 4131436894381774947602528 z^{94} + 14936733387397048626093632 z^{93} \\ &+ 51448748334367811153315988 z^{92} + 169045887384297579174971732 z^{91} \end{aligned} $	

$\{[119, 2, 116]\}$  $x^3 + x + 1$ 

$$\begin{aligned} &+ 530454336274893890917662528 z^{90} + 1591363008824823733822754144 z^{89} \\ &+ 4568751864045306772194822476 z^{88} \\ &+ 12564067626124288719199767089 z^{87} \\ &+ 33123451014328218289795942816 z^{86} \\ &+ 83782846683301286096458211224 z^{85} \\ &+ 203472627659444445579547859239 z^{84} \\ &+ 474769464538703244801707288731 z^{83} \\ &+ 1065023393424662217751855274184 z^{82} \\ &+ 2298208375284796887595877777296 z^{81} \\ &+ 4773202010206878716270946784669 z^{80} \\ &+ 9546404020413761328477084427258 z^{79} \\ &+ 18394290673480186305759145530352 z^{78} \\ &+ 34160825536463191403762822034368 z^{77} \\ &+ 61171710844364302539471655874102 z^{76} \\ &+ 105660227822083821518970999205958 z^{75} \\ &+ 176100379703473054518723692237440 z^{74} \\ &+ 283291915175152256801458056468400 z^{73} \\ &+ 440006591655023705719949595796330 z^{72} \\ &+ 660009887482535634561107968943615 z^{71} \\ &+ 956340857372653667441692638176720 z^{70} \\ &+ 1338877200321715031007454591382264 z^{69} \\ &+ 1811422094552908613391431873970409 z^{68} \\ &+ 2368782739030726769877060445241437 z^{67} \\ &+ 2994498934246390355344460589077032 z^{66} \\ &+ 3659943141856699201722821238623680 z^{65} \\ &+ 4325387349467008288351438898225515 z^{64} \\ &+ 4943299827962295284876677324368616 z^{63} \\ &+ 5463647178274115658282318164298816 z^{62} \\ &+ 5840450431948192545904420147316352 z^{61} \\ &+ 6038431802522707751076909830459352 z^{60} \\ &+ 6038431802522707751076909830459352 z^{59} \end{aligned}$$

$$\left\{ \left[ \frac{119}{2}, \right. \right.$$

$$\left. \frac{\sqrt{119}}{2} \right\}$$

$+5840450431948192545904420147316352 z^{58}$   
 $+5463647178274115658282318164298816 z^{57}$   
 $+4943299827962295284876677324368616 z^{56}$   
 $+4325387349467008288351438898225515 z^{55}$   
 $+3659943141856699201722821238623680 z^{54}$   
 $+2994498934246390355344460589077032 z^{53}$   
 $+2368782739030726769877060445241437 z^{52}$   
 $+1811422094552908613391431873970409 z^{51}$   
 $+1338877200321715031007454591382264 z^{50}$   
 $+956340857372653667441692638176720 z^{49}$   
 $+660009887482535634561107968943615 z^{48}$   
 $+440006591655023705719949595796330 z^{47}$   
 $+283291915175152256801458056468400 z^{46}$   
 $+176100379703473054518723692237440 z^{45}$   
 $+105660227822083821518970999205958 z^{44}$   
 $+61171710844364302539471655874102 z^{43}$   
 $+34160825536463191403762822034368 z^{42}$   
 $+18394290673480186305759145530352 z^{41}$   
 $+9546404020413761328477084427258 z^{40}$   
 $+4773202010206878716270946784669 z^{39}$   
 $+229820837528479688759587777296 z^{38}$   
 $+1065023393424662217751855274184 z^{37}$   
 $+474769464538703244801707288731 z^{36}$   
 $+203472627659444445579547859239 z^{35}$   
 $+83782846683301286096458211224 z^{34}$   
 $+33123451014328218289795942816 z^{33}$   
 $+12564067626124288719199767089 z^{32}$   
 $+4568751864045306772194822476 z^{31}$   
 $+1591363008824823733822754144 z^{30} + 530454336274893890917662528 z^{29}$   
 $+169045887384297579174971732 z^{28} + 51448748334367811153315988 z^{27}$   
 $+14936733387397048626093632 z^{26} + 4131436894381774947602528 z^{25}$

		$ \begin{aligned} &+1087220235364422585202700 z^{24} + 271805058842169037707235 z^{23} \\ &+ 64448622199318872460960 z^{22} + 14468058044558575786120 z^{21} \\ &+ 3068982009563492526245 z^{20} + 613796401933595415521 z^{19} \\ &+ 115466649843493352600 z^{18} + 20376467619539364592 z^{17} \\ &+ 3363106310483325511 z^{16} + 517400970158925958 z^{15} \\ &+ 73914423756903824 z^{14} + 9762282562198208 z^{13} + 1186071757846346 z^{12} \\ &+ 131785722882170 z^{11} + 13299475856128 z^{10} + 1209046144208 z^9 \\ &+ 98030420950 z^8 + 7001992861 z^7 + 433801648 z^6 + 22835624 z^5 + 989723 z^4 \\ &+ 34391 z^3 + 952 z^2 + 1 \end{aligned} $	
		$ \begin{aligned} &z^{119} + 952 z^{117} + 34391 z^{116} + 989723 z^{115} + 22835624 z^{114} + 433801648 z^{113} \\ &+ 7001992861 z^{112} + 98030420950 z^{111} + 1209046144208 z^{110} \\ &+ 13299475856128 z^{109} + 131785722882170 z^{108} + 1186071757846346 z^{107} \\ &+ 9762282562198208 z^{106} + 73914423756903824 z^{105} \\ &+ 517400970158925958 z^{104} + 3363106310483325511 z^{103} \\ &+ 20376467619539364592 z^{102} + 115466649843493352600 z^{101} \\ &+ 613796401933595415521 z^{100} + 3068982009563492526245 z^{99} \\ &+ 14468058044558575786120 z^{98} + 64448622199318872460960 z^{97} \\ &+ 271805058842169037707235 z^{96} + 1087220235364422585202700 z^{95} \\ &+ 4131436894381774947602528 z^{94} + 14936733387397048626093632 z^{93} \\ &+ 51448748334367811153315988 z^{92} + 169045887384297579174971732 z^{91} \\ &+ 530454336274893890917662528 z^{90} + 1591363008824823733822754144 z^{89} \\ &+ 4568751864045306772194822476 z^{88} \\ &+ 12564067626124288719199767089 z^{87} \\ &+ 33123451014328218289795942816 z^{86} \\ &+ 83782846683301286096458211224 z^{85} \\ &+ 203472627659444445579547859239 z^{84} \\ &+ 474769464538703244801707288731 z^{83} \\ &+ 1065023393424662217751855274184 z^{82} \\ &+ 2298208375284796887595877777296 z^{81} \\ &+ 4773202010206878716270946784669 z^{80} \\ &+ 9546404020413761328477084427258 z^{79} \end{aligned} $	



$\{[119, 2, 116]\}$  $x^3 + x^2 + 1$ 

+18394290673480186305759145530352  $z^{78}$   
+34160825536463191403762822034368  $z^{77}$   
+61171710844364302539471655874102  $z^{76}$   
+105660227822083821518970999205958  $z^{75}$   
+176100379703473054518723692237440  $z^{74}$   
+283291915175152256801458056468400  $z^{73}$   
+440006591655023705719949595796330  $z^{72}$   
+660009887482535634561107968943615  $z^{71}$   
+956340857372653667441692638176720  $z^{70}$   
+1338877200321715031007454591382264  $z^{69}$   
+1811422094552908613391431873970409  $z^{68}$   
+2368782739030726769877060445241437  $z^{67}$   
+2994498934246390355344460589077032  $z^{66}$   
+3659943141856699201722821238623680  $z^{65}$   
+4325387349467008288351438898225515  $z^{64}$   
+4943299827962295284876677324368616  $z^{63}$   
+5463647178274115658282318164298816  $z^{62}$   
+5840450431948192545904420147316352  $z^{61}$   
+6038431802522707751076909830459352  $z^{60}$   
+6038431802522707751076909830459352  $z^{59}$   
+5840450431948192545904420147316352  $z^{58}$   
+5463647178274115658282318164298816  $z^{57}$   
+4943299827962295284876677324368616  $z^{56}$   
+4325387349467008288351438898225515  $z^{55}$   
+3659943141856699201722821238623680  $z^{54}$   
+2994498934246390355344460589077032  $z^{53}$   
+2368782739030726769877060445241437  $z^{52}$   
+1811422094552908613391431873970409  $z^{51}$   
+1338877200321715031007454591382264  $z^{50}$   
+956340857372653667441692638176720  $z^{49}$   
+660009887482535634561107968943615  $z^{48}$

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

		$ \begin{aligned} &+440006591655023705719949595796330 z^{47} \\ &+283291915175152256801458056468400 z^{46} \\ &+176100379703473054518723692237440 z^{45} \\ &+105660227822083821518970999205958 z^{44} \\ &+61171710844364302539471655874102 z^{43} \\ &+34160825536463191403762822034368 z^{42} \\ &+18394290673480186305759145530352 z^{41} \\ &+9546404020413761328477084427258 z^{40} \\ &+4773202010206878716270946784669 z^{39} \\ &+229820837528479688759587777296 z^{38} \\ &+1065023393424662217751855274184 z^{37} \\ &+474769464538703244801707288731 z^{36} \\ &+203472627659444445579547859239 z^{35} \\ &+83782846683301286096458211224 z^{34} \\ &+33123451014328218289795942816 z^{33} \\ &+12564067626124288719199767089 z^{32} \\ &+4568751864045306772194822476 z^{31} \\ &+1591363008824823733822754144 z^{30} + 530454336274893890917662528 z^{29} \\ &+169045887384297579174971732 z^{28} + 51448748334367811153315988 z^{27} \\ &+14936733387397048626093632 z^{26} + 4131436894381774947602528 z^{25} \\ &+1087220235364422585202700 z^{24} + 271805058842169037707235 z^{23} \\ &+64448622199318872460960 z^{22} + 14468058044558575786120 z^{21} \\ &+3068982009563492526245 z^{20} + 613796401933595415521 z^{19} \\ &+115466649843493352600 z^{18} + 20376467619539364592 z^{17} \\ &+3363106310483325511 z^{16} + 517400970158925958 z^{15} \\ &+73914423756903824 z^{14} + 9762282562198208 z^{13} + 1186071757846346 z^{12} \\ &+131785722882170 z^{11} + 13299475856128 z^{10} + 1209046144208 z^9 \\ &+98030420950 z^8 + 7001992861 z^7 + 433801648 z^6 + 22835624 z^5 + 989723 z^4 \\ &+34391 z^3 + 952 z^2 + 1 \end{aligned} $	
		$ \begin{aligned} &z^{120} + 2340 z^{118} + 2099370 z^{116} + 913772340 z^{114} + 210055756755 z^{112} \\ &+ 29016994486584 z^{110} + 2635716079134580 z^{108} + 167353409599518840 z^{106} \end{aligned} $	

$\{[120, 2, 117]\}$  $x^3+1$ 

$$\begin{aligned} &+7761014521145473965 z^{104} + 271686235311650375580 z^{102} \\ &+7365556821745779550062 z^{100} + 157833360486548155113900 z^{98} \\ &+2718050588440080744022575 z^{96} + 38136340563449253613280880 z^{94} \\ &+440989271437492812480137160 z^{92} + 4243634690199821499459965296 z^{90} \\ &+34265638980336409683775670205 z^{88} \\ &+233812595395266140438401509540 z^{86} \\ &+1356484184396288683755209369530 z^{84} \\ &+6726463537418900269088822182260 z^{82} \\ &+28639212061241369876287179781047 z^{80} \\ &+105110232419886559233060685597320 z^{78} \\ &+333663877332896486893165920973260 z^{76} \\ &+918784589757250576142255605696200 z^{74} \\ &+2200032958275118199500704549878025 z^{72} \\ &+4590436115388738564160603789501884 z^{70} \\ &+8360409667167269245659005843032110 z^{68} \\ &+13308884152206180163432317940887180 z^{66} \\ &+18537374354858607391816462250856915 z^{64} \\ &+22608195220444614733260788850158880 z^{62} \\ &+24153727210090833302460391539473904 z^{60} \\ &+22608195220444614733260788850158880 z^{58} \\ &+18537374354858607391816462250856915 z^{56} \\ &+13308884152206180163432317940887180 z^{54} \\ &+8360409667167269245659005843032110 z^{52} \\ &+4590436115388738564160603789501884 z^{50} \\ &+2200032958275118199500704549878025 z^{48} \\ &+918784589757250576142255605696200 z^{46} \\ &+333663877332896486893165920973260 z^{44} \\ &+105110232419886559233060685597320 z^{42} \\ &+28639212061241369876287179781047 z^{40} \\ &+6726463537418900269088822182260 z^{38} \\ &+1356484184396288683755209369530 z^{36} \end{aligned}$$

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

		$+233812595395266140438401509540 z^{34}$ $+34265638980336409683775670205 z^{32}$ $+4243634690199821499459965296 z^{30} + 440989271437492812480137160 z^{28}$ $+38136340563449253613280880 z^{26} + 2718050588440080744022575 z^{24}$ $+157833360486548155113900 z^{22} + 7365556821745779550062 z^{20}$ $+271686235311650375580 z^{18} + 7761014521145473965 z^{16}$ $+167353409599518840 z^{14} + 2635716079134580 z^{12} + 29016994486584 z^{10}$ $+210055756755 z^8 + 913772340 z^6 + 2099370 z^4 + 2340 z^2 + 1$	
$\{[120, 2, 117]\}$	$x^3 + x^2 + x + 1$	$z^{120} + 1740 z^{118} + 2054970 z^{116} + 913160700 z^{114} + 210065843475 z^{112}$ $+ 29017040563560 z^{110} + 2635714927470100 z^{108} + 167353413270460200 z^{106}$ $+ 7761014555769316845 z^{104} + 271686234958994218740 z^{102}$ $+ 7365556822850704450206 z^{100} + 157833360488189237681700 z^{98}$ $+ 2718050588412589689324975 z^{96} + 38136340563554965394189520 z^{94}$ $+ 440989271437356109974341640 z^{92} + 4243634690199312331798123984 z^{90}$ $+ 34265638980339639767969187645 z^{88}$ $+ 233812595395257662357607248460 z^{86}$ $+ 1356484184396298816611033323210 z^{84}$ $+ 6726463537418910637402992409020 z^{82}$ $+ 28639212061241294579660831077239 z^{80}$ $+ 105110232419886731453063885370840 z^{78}$ $+ 333663877332896281796010088504620 z^{76}$ $+ 918784589757250584261826706319000 z^{74}$ $+ 2200032958275118710961303985159625 z^{72}$ $+ 4590436115388737394618251056187220 z^{70}$ $+ 8360409667167270717599325731392350 z^{68}$ $+ 13308884152206179231893497214652100 z^{66}$ $+ 18537374354858606957003775487030995 z^{64}$ $+ 22608195220444616652514318371462240 z^{62}$ $+ 24153727210090830739671721053989232 z^{60}$ $+ 22608195220444616652514318371462240 z^{58}$ $+ 18537374354858606957003775487030995 z^{56}$	$\{[60, \sqrt{30}]\}$

		$ \begin{aligned} &+13308884152206179231893497214652100 z^{54} \\ &+8360409667167270717599325731392350 z^{52} \\ &+4590436115388737394618251056187220 z^{50} \\ &+2200032958275118710961303985159625 z^{48} \\ &+918784589757250584261826706319000 z^{46} \\ &+333663877332896281796010088504620 z^{44} \\ &+105110232419886731453063885370840 z^{42} \\ &+28639212061241294579660831077239 z^{40} \\ &+6726463537418910637402992409020 z^{38} \\ &+1356484184396298816611033323210 z^{36} \\ &+233812595395257662357607248460 z^{34} \\ &+34265638980339639767969187645 z^{32} \\ &+4243634690199312331798123984 z^{30} + 440989271437356109974341640 z^{28} \\ &+38136340563554965394189520 z^{26} + 2718050588412589689324975 z^{24} \\ &+157833360488189237681700 z^{22} + 7365556822850704450206 z^{20} \\ &+271686234958994218740 z^{18} + 7761014555769316845 z^{16} \\ &+167353413270460200 z^{14} + 2635714927470100 z^{12} + 29017040563560 z^{10} \\ &+210065843475 z^8 + 913160700 z^6 + 2054970 z^4 + 1740 z^2 + 1 \end{aligned} $
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