

{[n,q,k]}	Generator Polynomial	Weight Numerator	{Avg Wt,Std}
{[4, 3, 0]}	0	$\frac{16}{81} z^4 + \frac{32}{81} z^3 + \frac{8}{27} z^2 + \frac{8}{81} z + \frac{1}{81}$	$\left\{ \left[\frac{8}{3}, \frac{2\sqrt{2}}{3} \right] \right\}$
{[5, 3, 1]}	$x^4 + x^3 + x^2 + x + 1$	$2 z^5 + 1$	$\left\{ \left[\frac{10}{3}, \frac{5\sqrt{2}}{3} \right] \right\}$
{[6, 3, 2]}	$x^4 + x^2 + 1$	$4 z^6 + 4 z^3 + 1$	{[4, 2]}
{[6, 3, 2]}	$x^4 + 2 x^3 + x + 2$	$2 z^6 + 6 z^4 + 1$	$\left\{ \left[4, \frac{2\sqrt{6}}{3} \right] \right\}$
{[6, 3, 2]}	$x^4 + x^3 + 2 x + 2$	$2 z^6 + 6 z^4 + 1$	$\left\{ \left[4, \frac{2\sqrt{6}}{3} \right] \right\}$
{[8, 3, 4]}	$x^4 + 2$	$16 z^8 + 32 z^6 + 24 z^4 + 8 z^2 + 1$	$\left\{ \left[\frac{16}{3}, \frac{4\sqrt{2}}{3} \right] \right\}$
{[8, 3, 4]}	$x^4 + 1$	$16 z^8 + 32 z^6 + 24 z^4 + 8 z^2 + 1$	$\left\{ \left[\frac{16}{3}, \frac{4\sqrt{2}}{3} \right] \right\}$
{[8, 3, 4]}	$x^4 + 2 x^3 + x^2 + x + 1$	$4 z^8 + 16 z^7 + 8 z^6 + 32 z^5 + 20 z^4 + 1$	$\left\{ \left[\frac{16}{3}, \frac{4}{3} \right] \right\}$
{[8, 3, 4]}	$x^4 + 2 x^3 + 2 x + 2$	$4 z^8 + 16 z^7 + 8 z^6 + 32 z^5 + 20 z^4 + 1$	$\left\{ \left[\frac{16}{3}, \frac{4}{3} \right] \right\}$
{[8, 3, 4]}	$x^4 + x^3 + x^2 + 2 x + 1$	$4 z^8 + 16 z^7 + 8 z^6 + 32 z^5 + 20 z^4 + 1$	$\left\{ \left[\frac{16}{3}, \frac{4}{3} \right] \right\}$
{[8, 3, 4]}	$x^4 + x^3 + x + 2$	$4 z^8 + 16 z^7 + 8 z^6 + 32 z^5 + 20 z^4 + 1$	$\left\{ \left[\frac{16}{3}, \frac{4}{3} \right] \right\}$
{[9, 3, 5]}	$x^4 + 2 x^3 + 2 x + 1$	$8 z^9 + 108 z^7 + 66 z^6 + 54 z^4 + 6 z^3 + 1$	{[6, $\sqrt{2}$]}
{[10, 3, 6]}	$x^4 + 2 x^3 + x^2 + 2 x + 1$	$34 z^{10} + 20 z^9 + 160 z^8 + 160 z^7 + 240 z^6 + 64 z^5 + 40 z^4 + 10 z^2 + 1$	$\left\{ \left[\frac{20}{3}, \frac{2\sqrt{5}}{3} \right] \right\}$
{[10, 3, 6]}	$x^4 + x^3 + x^2 + x + 1$	$34 z^{10} + 20 z^9 + 160 z^8 + 160 z^7 + 240 z^6 + 64 z^5 + 40 z^4 + 10 z^2 + 1$	$\left\{ \left[\frac{20}{3}, \frac{2\sqrt{5}}{3} \right] \right\}$

$\{[12, 3, 8]\}$	x^4+2	$16z^{12}+192z^{11}+864z^{10}+1760z^9+1584z^8+864z^7+888z^6+144z^5+216z^4+8z^3+24z^2+1$	$\left\{\left[8, \frac{2\sqrt{6}}{3}\right]\right\}$
$\{[12, 3, 8]\}$	x^4+2x^2+1	$100z^{12}+240z^{11}+864z^{10}+1184z^9+1800z^8+1296z^7+708z^6+216z^5+108z^4+32z^3+12z^2+1$	$\left\{\left[8, \frac{2\sqrt{6}}{3}\right]\right\}$
$\{[12, 3, 8]\}$	x^4+x^2+1	$100z^{12}+240z^{11}+864z^{10}+1184z^9+1800z^8+1296z^7+708z^6+216z^5+108z^4+32z^3+12z^2+1$	$\left\{\left[8, \frac{2\sqrt{6}}{3}\right]\right\}$
$\{[12, 3, 8]\}$	x^4+2x^3+x+2	$90z^{12}+216z^{11}+912z^{10}+1280z^9+1686z^8+1200z^7+816z^6+192z^5+156z^4+12z^2+1$	$\left\{\left[8, \frac{2\sqrt{6}}{3}\right]\right\}$
$\{[12, 3, 8]\}$	$x^4+2x^3+2x^2+2x+1$	$70z^{12}+216z^{11}+972z^{10}+1328z^9+1512z^8+1296z^7+780z^6+216z^5+162z^4+8z^3+1$	$\left\{\left[8, \frac{2\sqrt{6}}{3}\right]\right\}$
$\{[12, 3, 8]\}$	x^4+x^3+2x+2	$90z^{12}+216z^{11}+912z^{10}+1280z^9+1686z^8+1200z^7+816z^6+192z^5+156z^4+12z^2+1$	$\left\{\left[8, \frac{2\sqrt{6}}{3}\right]\right\}$
$\{[12, 3, 8]\}$	$x^4+x^3+2x^2+x+1$	$70z^{12}+216z^{11}+972z^{10}+1328z^9+1512z^8+1296z^7+780z^6+216z^5+162z^4+8z^3+1$	$\left\{\left[8, \frac{2\sqrt{6}}{3}\right]\right\}$
$\{[13, 3, 9]\}$	x^4+x+1	$78z^{13}+754z^{12}+1872z^{11}+3510z^{10}+4784z^9+3978z^8+2574z^7+1482z^6+468z^5+156z^4+26z^3+1$	$\left\{\left[\frac{26}{3}, \frac{\sqrt{26}}{3}\right]\right\}$
$\{[13, 3, 9]\}$	x^4+2x^2+2x+1	$78z^{13}+754z^{12}+1872z^{11}+3510z^{10}+4784z^9+3978z^8+2574z^7+1482z^6+468z^5+156z^4+26z^3+1$	$\left\{\left[\frac{26}{3}, \frac{\sqrt{26}}{3}\right]\right\}$
$\{[13, 3, 9]\}$	$x^4+2x^3+2x^2+1$	$78z^{13}+754z^{12}+1872z^{11}+3510z^{10}+4784z^9+3978z^8+2574z^7+1482z^6+468z^5+156z^4+26z^3+1$	$\left\{\left[\frac{26}{3}, \frac{\sqrt{26}}{3}\right]\right\}$
$\{[13, 3, 9]\}$	x^4+x^3+1	$78z^{13}+754z^{12}+1872z^{11}+3510z^{10}+4784z^9+3978z^8+2574z^7+1482z^6+468z^5+156z^4+26z^3+1$	$\left\{\left[\frac{26}{3}, \frac{\sqrt{26}}{3}\right]\right\}$
$\{[15, 3, 11]\}$	$x^4+x^3+x^2+x+1$	$518z^{15}+2910z^{14}+10170z^{13}+23300z^{12}+35790z^{11}+36882z^{10}+30590z^9+21780z^8+9450z^7+4630z^6+726z^5+360z^4+10z^3+30z^2+1$	$\left\{\left[10, \frac{\sqrt{30}}{3}\right]\right\}$
$\{[16, 3, 12]\}$	x^4+2	$1296z^{16}+6912z^{15}+24192z^{14}+53760z^{13}+91360z^{12}+110976z^{11}+106560z^{10}+71168z^9+40536z^8+14400z^7+8160z^6+1152z^5+888z^4+32z^3+48z^2+1$	$\left\{\left[\frac{32}{3}, \frac{4\sqrt{2}}{3}\right]\right\}$
		$1296z^{16}+6912z^{15}+24192z^{14}+53760z^{13}+91360z^{12}+110976z^{11}$	

$\{[16, 3, 12]\}$	x^4+1	$+106560 z^{10}+71168 z^9+40536 z^8+14400 z^7+8160 z^6+1152 z^5+888 z^4$ $+32 z^3+48 z^2+1$	$\left\{ \left[\frac{32}{3}, \frac{4\sqrt{2}}{3} \right] \right\}$
$\{[16, 3, 12]\}$	x^4+2x^2+2	$1024 z^{16}+6144 z^{15}+24064 z^{14}+55808 z^{13}+95296 z^{12}+108800 z^{11}+99456 z^{10}$ $+73472 z^9+40704 z^8+18368 z^7+6480 z^6+1376 z^5+304 z^4+128 z^3+16 z^2$ $+1$	$\left\{ \left[\frac{32}{3}, \frac{4\sqrt{2}}{3} \right] \right\}$
$\{[16, 3, 12]\}$	x^4+x^2+2	$1024 z^{16}+6144 z^{15}+24064 z^{14}+55808 z^{13}+95296 z^{12}+108800 z^{11}+99456 z^{10}$ $+73472 z^9+40704 z^8+18368 z^7+6480 z^6+1376 z^5+304 z^4+128 z^3+16 z^2$ $+1$	$\left\{ \left[\frac{32}{3}, \frac{4\sqrt{2}}{3} \right] \right\}$
$\{[16, 3, 12]\}$	$x^4+2x^3+x^2+x+1$	$900 z^{16}+6016 z^{15}+25072 z^{14}+56160 z^{13}+92136 z^{12}+109664 z^{11}+102816 z^{10}$ $+70976 z^9+41460 z^8+17568 z^7+6560 z^6+1664 z^5+432 z^4+16 z^2+1$	$\left\{ \left[\frac{32}{3}, \frac{4\sqrt{2}}{3} \right] \right\}$
$\{[16, 3, 12]\}$	x^4+2x^3+2x+2	$900 z^{16}+6016 z^{15}+25072 z^{14}+56160 z^{13}+92136 z^{12}+109664 z^{11}+102816 z^{10}$ $+70976 z^9+41460 z^8+17568 z^7+6560 z^6+1664 z^5+432 z^4+16 z^2+1$	$\left\{ \left[\frac{32}{3}, \frac{4\sqrt{2}}{3} \right] \right\}$
$\{[16, 3, 12]\}$	$x^4+x^3+x^2+2x+1$	$900 z^{16}+6016 z^{15}+25072 z^{14}+56160 z^{13}+92136 z^{12}+109664 z^{11}+102816 z^{10}$ $+70976 z^9+41460 z^8+17568 z^7+6560 z^6+1664 z^5+432 z^4+16 z^2+1$	$\left\{ \left[\frac{32}{3}, \frac{4\sqrt{2}}{3} \right] \right\}$
$\{[16, 3, 12]\}$	x^4+x^3+x+2	$900 z^{16}+6016 z^{15}+25072 z^{14}+56160 z^{13}+92136 z^{12}+109664 z^{11}+102816 z^{10}$ $+70976 z^9+41460 z^8+17568 z^7+6560 z^6+1664 z^5+432 z^4+16 z^2+1$	$\left\{ \left[\frac{32}{3}, \frac{4\sqrt{2}}{3} \right] \right\}$
$\{[18, 3, 14]\}$	x^4+x^2+1	$3844 z^{18}+29016 z^{17}+121716 z^{16}+327864 z^{15}+624312 z^{14}+873288 z^{13}$ $+928716 z^{12}+801864 z^{11}+557280 z^{10}+306124 z^9+142704 z^8+47736 z^7$ $+14532 z^6+2952 z^5+864 z^4+120 z^3+36 z^2+1$	$\{[12, 2]\}$
$\{[18, 3, 14]\}$	x^4+2x^3+x+2	$3466 z^{18}+29340 z^{17}+122850 z^{16}+327324 z^{15}+623988 z^{14}+869724 z^{13}$ $+932712 z^{12}+800892 z^{11}+561168 z^{10}+301156 z^9+144324 z^8+46116 z^7$ $+16530 z^6+2304 z^5+1026 z^4+12 z^3+36 z^2+1$	$\{[12, 2]\}$
$\{[18, 3, 14]\}$	x^4+2x^3+2x+1	$3592 z^{18}+28656 z^{17}+124200 z^{16}+326208 z^{15}+624600 z^{14}+868536 z^{13}$ $+933810 z^{12}+801720 z^{11}+559548 z^{10}+301840 z^9+143550 z^8+47520 z^7$ $+15702 z^6+2340 z^5+1080 z^4+48 z^3+18 z^2+1$	$\{[12, 2]\}$
$\{[18, 3, 14]\}$	x^4+x^3+2x+2	$3466 z^{18}+29340 z^{17}+122850 z^{16}+327324 z^{15}+623988 z^{14}+869724 z^{13}$ $+932712 z^{12}+800892 z^{11}+561168 z^{10}+301156 z^9+144324 z^8+46116 z^7$ $+16530 z^6+2304 z^5+1026 z^4+12 z^3+36 z^2+1$	$\{[12, 2]\}$
		$3592 z^{18}+28656 z^{17}+124200 z^{16}+326208 z^{15}+624600 z^{14}+868536 z^{13}$	

$\{[18, 3, 14]\}$	x^4+x^3+x+1	$+933810 z^{12}+801720 z^{11}+559548 z^{10}+301840 z^9+143550 z^8+47520 z^7$ $+15702 z^6+2340 z^5+1080 z^4+48 z^3+18 z^2+1$	$\{[12, 2]\}$
$\{[20, 3, 16]\}$	x^4+2	$10000 z^{20}+120000 z^{19}+620000 z^{18}+1880000 z^{17}+3930000 z^{16}+6244000 z^{15}$ $+7796000 z^{14}+7812000 z^{13}+6436000 z^{12}+4248000 z^{11}+2376600 z^{10}$ $+1011600 z^9+407800 z^8+105600 z^7+41600 z^6+4840 z^5+2520 z^4+80 z^3$ $+80 z^2+1$	$\left\{ \left[\frac{40}{3}, \frac{2\sqrt{10}}{3} \right] \right\}$
$\{[20, 3, 16]\}$	$x^4+2 x^3+x^2+2 x+1$	$14026 z^{20}+126840 z^{19}+613500 z^{18}+1848040 z^{17}+3932640 z^{16}+6252032 z^{15}$ $+7841440 z^{14}+7834560 z^{13}+6400400 z^{12}+4224320 z^{11}+2343264 z^{10}$ $+1043840 z^9+419240 z^8+112320 z^7+34720 z^6+3968 z^5+1470 z^4+40 z^3$ $+60 z^2+1$	$\left\{ \left[\frac{40}{3}, \frac{2\sqrt{10}}{3} \right] \right\}$
$\{[20, 3, 16]\}$	$x^4+2 x^3+x+1$	$13136 z^{20}+127920 z^{19}+619780 z^{18}+1837800 z^{17}+3921780 z^{16}+6277632 z^{15}$ $+7841040 z^{14}+7819680 z^{13}+6397740 z^{12}+4232720 z^{11}+2335344 z^{10}$ $+1063840 z^9+397980 z^8+123360 z^7+29280 z^6+6528 z^5+1140 z^4+20 z^2$ $+1$	$\left\{ \left[\frac{40}{3}, \frac{2\sqrt{10}}{3} \right] \right\}$
$\{[20, 3, 16]\}$	$x^4+x^3+x^2+x+1$	$14026 z^{20}+126840 z^{19}+613500 z^{18}+1848040 z^{17}+3932640 z^{16}+6252032 z^{15}$ $+7841440 z^{14}+7834560 z^{13}+6400400 z^{12}+4224320 z^{11}+2343264 z^{10}$ $+1043840 z^9+419240 z^8+112320 z^7+34720 z^6+3968 z^5+1470 z^4+40 z^3$ $+60 z^2+1$	$\left\{ \left[\frac{40}{3}, \frac{2\sqrt{10}}{3} \right] \right\}$
$\{[20, 3, 16]\}$	$x^4+x^3+2 x+1$	$13136 z^{20}+127920 z^{19}+619780 z^{18}+1837800 z^{17}+3921780 z^{16}+6277632 z^{15}$ $+7841040 z^{14}+7819680 z^{13}+6397740 z^{12}+4232720 z^{11}+2335344 z^{10}$ $+1063840 z^9+397980 z^8+123360 z^7+29280 z^6+6528 z^5+1140 z^4+20 z^2$ $+1$	$\left\{ \left[\frac{40}{3}, \frac{2\sqrt{10}}{3} \right] \right\}$
$\{[24, 3, 20]\}$	x^4+2	$234256 z^{24}+2555520 z^{23}+14287680 z^{22}+52074880 z^{21}+137235360 z^{20}$ $+275443200 z^{19}+436602592 z^{18}+560134080 z^{17}+594360720 z^{16}$ $+527979520 z^{15}+397083840 z^{14}+252475200 z^{13}+137682904 z^{12}$ $+62617440 z^{11}+25014960 z^{10}+7891360 z^9+2443320 z^8+496800 z^7$ $+150088 z^6+14640 z^5+5760 z^4+160 z^3+120 z^2+1$	$\left\{ \left[16, \frac{4\sqrt{3}}{3} \right] \right\}$
$\{[24, 3, 20]\}$	x^4+1	$234256 z^{24}+2555520 z^{23}+14287680 z^{22}+52074880 z^{21}+137235360 z^{20}$ $+275443200 z^{19}+436602592 z^{18}+560134080 z^{17}+594360720 z^{16}$ $+527979520 z^{15}+397083840 z^{14}+252475200 z^{13}+137682904 z^{12}$	$\left\{ \left[16, \frac{4\sqrt{3}}{3} \right] \right\}$

		$+62617440 z^{11} + 25014960 z^{10} + 7891360 z^9 + 2443320 z^8 + 496800 z^7$ $+150088 z^6 + 14640 z^5 + 5760 z^4 + 160 z^3 + 120 z^2 + 1$	
$\{[24, 3, 20]\}$	$x^4 + 2x^2 + 1$	$217156 z^{24} + 2482848 z^{23} + 14243472 z^{22} + 52359712 z^{21} + 137752992 z^{20}$ $+ 275156352 z^{19} + 435455200 z^{18} + 559759680 z^{17} + 595285848 z^{16}$ $+ 529083136 z^{15} + 396876384 z^{14} + 252154080 z^{13} + 136722388 z^{12}$ $+ 63079632 z^{11} + 24956424 z^{10} + 8195056 z^9 + 2352780 z^8 + 520992 z^7$ $+ 110416 z^6 + 16128 z^5 + 3348 z^4 + 304 z^3 + 72 z^2 + 1$	$\left\{ \left[16, \frac{4\sqrt{3}}{3} \right] \right\}$
$\{[24, 3, 20]\}$	$x^4 + 2x^2 + 2x + 2$	$207202 z^{24} + 2484432 z^{23} + 14298408 z^{22} + 52379440 z^{21} + 137607012 z^{20}$ $+ 275057424 z^{19} + 435616336 z^{18} + 560105280 z^{17} + 595000188 z^{16}$ $+ 528924304 z^{15} + 396805392 z^{14} + 252347472 z^{13} + 136800976 z^{12}$ $+ 63075024 z^{11} + 24838272 z^{10} + 8224432 z^9 + 2345922 z^8 + 540000 z^7$ $+ 108616 z^6 + 15552 z^5 + 2556 z^4 + 160 z^3 + 1$	$\left\{ \left[16, \frac{4\sqrt{3}}{3} \right] \right\}$
$\{[24, 3, 20]\}$	$x^4 + 2x^2 + x + 2$	$207202 z^{24} + 2484432 z^{23} + 14298408 z^{22} + 52379440 z^{21} + 137607012 z^{20}$ $+ 275057424 z^{19} + 435616336 z^{18} + 560105280 z^{17} + 595000188 z^{16}$ $+ 528924304 z^{15} + 396805392 z^{14} + 252347472 z^{13} + 136800976 z^{12}$ $+ 63075024 z^{11} + 24838272 z^{10} + 8224432 z^9 + 2345922 z^8 + 540000 z^7$ $+ 108616 z^6 + 15552 z^5 + 2556 z^4 + 160 z^3 + 1$	$\left\{ \left[16, \frac{4\sqrt{3}}{3} \right] \right\}$
$\{[24, 3, 20]\}$	$x^4 + x^2 + 1$	$217156 z^{24} + 2482848 z^{23} + 14243472 z^{22} + 52359712 z^{21} + 137752992 z^{20}$ $+ 275156352 z^{19} + 435455200 z^{18} + 559759680 z^{17} + 595285848 z^{16}$ $+ 529083136 z^{15} + 396876384 z^{14} + 252154080 z^{13} + 136722388 z^{12}$ $+ 63079632 z^{11} + 24956424 z^{10} + 8195056 z^9 + 2352780 z^8 + 520992 z^7$ $+ 110416 z^6 + 16128 z^5 + 3348 z^4 + 304 z^3 + 72 z^2 + 1$	$\left\{ \left[16, \frac{4\sqrt{3}}{3} \right] \right\}$
$\{[24, 3, 20]\}$	$x^4 + 2x^3 + x^2 + x + 1$	$207940 z^{24} + 2481504 z^{23} + 14293296 z^{22} + 52428976 z^{21} + 137500536 z^{20}$ $+ 275129568 z^{19} + 435673144 z^{18} + 560023488 z^{17} + 594926100 z^{16}$ $+ 529102432 z^{15} + 396722112 z^{14} + 252292896 z^{13} + 136902244 z^{12}$ $+ 62982192 z^{11} + 24906744 z^{10} + 8189008 z^9 + 2359512 z^8 + 533088 z^7$ $+ 112000 z^6 + 14928 z^5 + 2628 z^4 + 16 z^3 + 48 z^2 + 1$	$\left\{ \left[16, \frac{4\sqrt{3}}{3} \right] \right\}$
$\{[24, 3, 20]\}$	$x^4 + 2x^3 + x^2 + 2$	$207202 z^{24} + 2484432 z^{23} + 14298408 z^{22} + 52379440 z^{21} + 137607012 z^{20}$ $+ 275057424 z^{19} + 435616336 z^{18} + 560105280 z^{17} + 595000188 z^{16}$ $+ 528924304 z^{15} + 396805392 z^{14} + 252347472 z^{13} + 136800976 z^{12}$	

		$+63075024 z^{11} + 24838272 z^{10} + 8224432 z^9 + 2345922 z^8 + 540000 z^7$ $+ 108616 z^6 + 15552 z^5 + 2556 z^4 + 160 z^3 + 1$	$\left\{ \left[16, \frac{4\sqrt{3}}{3} \right] \right\}$
$\{[24, 3, 20]\}$	$x^4 + 2x^3 + x + 2$	$212906 z^{24} + 2479248 z^{23} + 14278632 z^{22} + 52374480 z^{21} + 137649312 z^{20}$ $+ 275129856 z^{19} + 435566704 z^{18} + 559872000 z^{17} + 595194678 z^{16}$ $+ 528910496 z^{15} + 397026576 z^{14} + 252020256 z^{13} + 136981872 z^{12}$ $+ 62870976 z^{11} + 25073856 z^{10} + 8093056 z^9 + 2410236 z^8 + 501408 z^7$ $+ 121904 z^6 + 12096 z^5 + 3732 z^4 + 48 z^3 + 72 z^2 + 1$	$\left\{ \left[16, \frac{4\sqrt{3}}{3} \right] \right\}$
$\{[24, 3, 20]\}$	$x^4 + 2x^3 + 2x + 2$	$207940 z^{24} + 2481504 z^{23} + 14293296 z^{22} + 52428976 z^{21} + 137500536 z^{20}$ $+ 275129568 z^{19} + 435673144 z^{18} + 560023488 z^{17} + 594926100 z^{16}$ $+ 529102432 z^{15} + 396722112 z^{14} + 252292896 z^{13} + 136902244 z^{12}$ $+ 62982192 z^{11} + 24906744 z^{10} + 8189008 z^9 + 2359512 z^8 + 533088 z^7$ $+ 112000 z^6 + 14928 z^5 + 2628 z^4 + 16 z^3 + 48 z^2 + 1$	$\left\{ \left[16, \frac{4\sqrt{3}}{3} \right] \right\}$
$\{[24, 3, 20]\}$	$x^4 + 2x^3 + 2x^2 + 2x + 1$	$207910 z^{24} + 2479728 z^{23} + 14309496 z^{22} + 52371856 z^{21} + 137597676 z^{20}$ $+ 275068656 z^{19} + 435629152 z^{18} + 560082528 z^{17} + 595019736 z^{16}$ $+ 528864640 z^{15} + 396926400 z^{14} + 252215136 z^{13} + 136915900 z^{12}$ $+ 62959920 z^{11} + 24944328 z^{10} + 8155888 z^9 + 2379042 z^8 + 524016 z^7$ $+ 116056 z^6 + 13296 z^5 + 2952 z^4 + 64 z^3 + 24 z^2 + 1$	$\left\{ \left[16, \frac{4\sqrt{3}}{3} \right] \right\}$
$\{[24, 3, 20]\}$	$x^4 + 2x^3 + 2x^2 + x + 1$	$208384 z^{24} + 2477568 z^{23} + 14308992 z^{22} + 52390912 z^{21} + 137565600 z^{20}$ $+ 275043168 z^{19} + 435766168 z^{18} + 559943856 z^{17} + 594973944 z^{16}$ $+ 529102336 z^{15} + 396661152 z^{14} + 252406656 z^{13} + 136770616 z^{12}$ $+ 63103776 z^{11} + 24801984 z^{10} + 8268352 z^9 + 2316024 z^8 + 547776 z^7$ $+ 108736 z^6 + 16320 z^5 + 1800 z^4 + 256 z^3 + 24 z^2 + 1$	$\left\{ \left[16, \frac{4\sqrt{3}}{3} \right] \right\}$
$\{[24, 3, 20]\}$	$x^4 + x^3 + x^2 + 2$	$207202 z^{24} + 2484432 z^{23} + 14298408 z^{22} + 52379440 z^{21} + 137607012 z^{20}$ $+ 275057424 z^{19} + 435616336 z^{18} + 560105280 z^{17} + 595000188 z^{16}$ $+ 528924304 z^{15} + 396805392 z^{14} + 252347472 z^{13} + 136800976 z^{12}$ $+ 63075024 z^{11} + 24838272 z^{10} + 8224432 z^9 + 2345922 z^8 + 540000 z^7$ $+ 108616 z^6 + 15552 z^5 + 2556 z^4 + 160 z^3 + 1$	$\left\{ \left[16, \frac{4\sqrt{3}}{3} \right] \right\}$
		$207940 z^{24} + 2481504 z^{23} + 14293296 z^{22} + 52428976 z^{21} + 137500536 z^{20}$	

$\{[24, 3, 20]\}$	$x^4+x^3+x^2+2x+1$	$+275129568z^{19}+435673144z^{18}+560023488z^{17}+594926100z^{16}$ $+529102432z^{15}+396722112z^{14}+252292896z^{13}+136902244z^{12}$ $+62982192z^{11}+24906744z^{10}+8189008z^9+2359512z^8+533088z^7$ $+112000z^6+14928z^5+2628z^4+16z^3+48z^2+1$	$\left\{ \left[16, \frac{4\sqrt{3}}{3} \right] \right\}$
$\{[24, 3, 20]\}$	x^4+x^3+2x+2	$212906z^{24}+2479248z^{23}+14278632z^{22}+52374480z^{21}+137649312z^{20}$ $+275129856z^{19}+435566704z^{18}+559872000z^{17}+595194678z^{16}$ $+528910496z^{15}+397026576z^{14}+252020256z^{13}+136981872z^{12}$ $+62870976z^{11}+25073856z^{10}+8093056z^9+2410236z^8+501408z^7$ $+121904z^6+12096z^5+3732z^4+48z^3+72z^2+1$	$\left\{ \left[16, \frac{4\sqrt{3}}{3} \right] \right\}$
$\{[24, 3, 20]\}$	x^4+x^3+x+2	$207940z^{24}+2481504z^{23}+14293296z^{22}+52428976z^{21}+137500536z^{20}$ $+275129568z^{19}+435673144z^{18}+560023488z^{17}+594926100z^{16}$ $+529102432z^{15}+396722112z^{14}+252292896z^{13}+136902244z^{12}$ $+62982192z^{11}+24906744z^{10}+8189008z^9+2359512z^8+533088z^7$ $+112000z^6+14928z^5+2628z^4+16z^3+48z^2+1$	$\left\{ \left[16, \frac{4\sqrt{3}}{3} \right] \right\}$
$\{[24, 3, 20]\}$	$x^4+x^3+2x^2+2x+1$	$208384z^{24}+2477568z^{23}+14308992z^{22}+52390912z^{21}+137565600z^{20}$ $+275043168z^{19}+435766168z^{18}+559943856z^{17}+594973944z^{16}$ $+529102336z^{15}+396661152z^{14}+252406656z^{13}+136770616z^{12}$ $+63103776z^{11}+24801984z^{10}+8268352z^9+2316024z^8+547776z^7$ $+108736z^6+16320z^5+1800z^4+256z^3+24z^2+1$	$\left\{ \left[16, \frac{4\sqrt{3}}{3} \right] \right\}$
$\{[24, 3, 20]\}$	$x^4+x^3+2x^2+x+1$	$207910z^{24}+2479728z^{23}+14309496z^{22}+52371856z^{21}+137597676z^{20}$ $+275068656z^{19}+435629152z^{18}+560082528z^{17}+595019736z^{16}$ $+528864640z^{15}+396926400z^{14}+252215136z^{13}+136915900z^{12}$ $+62959920z^{11}+24944328z^{10}+8155888z^9+2379042z^8+524016z^7$ $+116056z^6+13296z^5+2952z^4+64z^3+24z^2+1$	$\left\{ \left[16, \frac{4\sqrt{3}}{3} \right] \right\}$
$\{[25, 3, 21]\}$	$x^4+x^3+x^2+x+1$	$422102z^{25}+5160250z^{24}+31029800z^{23}+119206600z^{22}+327593800z^{21}$ $+687483250z^{20}+1146363000z^{19}+1555889500z^{18}+1750296750z^{17}$ $+1652937500z^{16}+1321697500z^{15}+902367500z^{14}+525407500z^{13}$ $+263590000z^{12}+112082500z^{11}+41691000z^{10}+12694750z^9$ $+3569250z^8+693500z^7+158500z^6+14300z^5+4150z^4+100z^3+100z^2$ $+1$	$\left\{ \left[\frac{50}{3}, \frac{5\sqrt{2}}{3} \right] \right\}$

$\{[26, 3, 22]\}$	x^4+2x+1	$829922z^{26}+10758540z^{25}+67356874z^{24}+269195888z^{23}+774191652z^{22}$ $+1703029744z^{21}+2980607318z^{20}+4257432504z^{19}+5056186564z^{18}$ $+5056245584z^{17}+4297513818z^{16}+3125350384z^{15}+1953860090z^{14}$ $+1051597716z^{13}+488562802z^{12}+195153608z^{11}+67301676z^{10}$ $+19677112z^9+4967924z^8+1022736z^7+189514z^6+24284z^5+3120z^4$ $+208z^3+26z^2+1$	$\left\{ \left[\frac{52}{3}, \frac{2\sqrt{13}}{3} \right] \right\}$
$\{[26, 3, 22]\}$	x^4+x+1	$829922z^{26}+10758540z^{25}+67356874z^{24}+269195888z^{23}+774191652z^{22}$ $+1703029744z^{21}+2980607318z^{20}+4257432504z^{19}+5056186564z^{18}$ $+5056245584z^{17}+4297513818z^{16}+3125350384z^{15}+1953860090z^{14}$ $+1051597716z^{13}+488562802z^{12}+195153608z^{11}+67301676z^{10}$ $+19677112z^9+4967924z^8+1022736z^7+189514z^6+24284z^5+3120z^4$ $+208z^3+26z^2+1$	$\left\{ \left[\frac{52}{3}, \frac{2\sqrt{13}}{3} \right] \right\}$
$\{[26, 3, 22]\}$	x^4+2x^2+2x+1	$829922z^{26}+10758540z^{25}+67356874z^{24}+269195888z^{23}+774191652z^{22}$ $+1703029744z^{21}+2980607318z^{20}+4257432504z^{19}+5056186564z^{18}$ $+5056245584z^{17}+4297513818z^{16}+3125350384z^{15}+1953860090z^{14}$ $+1051597716z^{13}+488562802z^{12}+195153608z^{11}+67301676z^{10}$ $+19677112z^9+4967924z^8+1022736z^7+189514z^6+24284z^5+3120z^4$ $+208z^3+26z^2+1$	$\left\{ \left[\frac{52}{3}, \frac{2\sqrt{13}}{3} \right] \right\}$
$\{[26, 3, 22]\}$	x^4+2x^2+x+1	$829922z^{26}+10758540z^{25}+67356874z^{24}+269195888z^{23}+774191652z^{22}$ $+1703029744z^{21}+2980607318z^{20}+4257432504z^{19}+5056186564z^{18}$ $+5056245584z^{17}+4297513818z^{16}+3125350384z^{15}+1953860090z^{14}$ $+1051597716z^{13}+488562802z^{12}+195153608z^{11}+67301676z^{10}$ $+19677112z^9+4967924z^8+1022736z^7+189514z^6+24284z^5+3120z^4$ $+208z^3+26z^2+1$	$\left\{ \left[\frac{52}{3}, \frac{2\sqrt{13}}{3} \right] \right\}$
$\{[26, 3, 22]\}$	x^4+x^2+2x+2	$828258z^{26}+10773516z^{25}+67300714z^{24}+269306544z^{23}+774072780z^{22}$ $+1703105560z^{21}+2980534284z^{20}+4257536400z^{19}+5056157080z^{18}$ $+5056146420z^{17}+4297589868z^{16}+3125378464z^{15}+1953855696z^{14}$ $+1051539216z^{13}+488569120z^{12}+195208416z^{11}+67279914z^{10}$ $+19656052z^9+4981002z^8+1026480z^7+186004z^6+24024z^5+3588z^4$ $+208z^3+1$	$\left\{ \left[\frac{52}{3}, \frac{2\sqrt{13}}{3} \right] \right\}$

$\{[26, 3, 22]\}$	x^4+x^2+x+2	$828258 z^{26}+10773516 z^{25}+67300714 z^{24}+269306544 z^{23}+774072780 z^{22}$ $+1703105560 z^{21}+2980534284 z^{20}+4257536400 z^{19}+5056157080 z^{18}$ $+5056146420 z^{17}+4297589868 z^{16}+3125378464 z^{15}+1953855696 z^{14}$ $+1051539216 z^{13}+488569120 z^{12}+195208416 z^{11}+67279914 z^{10}$ $+19656052 z^9+4981002 z^8+1026480 z^7+186004 z^6+24024 z^5+3588 z^4$ $+208 z^3+1$	$\left\{ \left[\frac{52}{3}, \frac{2\sqrt{13}}{3} \right] \right\}$
$\{[26, 3, 22]\}$	$x^4+2 x^3+x^2+2 x+2$	$828258 z^{26}+10773516 z^{25}+67300714 z^{24}+269306544 z^{23}+774072780 z^{22}$ $+1703105560 z^{21}+2980534284 z^{20}+4257536400 z^{19}+5056157080 z^{18}$ $+5056146420 z^{17}+4297589868 z^{16}+3125378464 z^{15}+1953855696 z^{14}$ $+1051539216 z^{13}+488569120 z^{12}+195208416 z^{11}+67279914 z^{10}$ $+19656052 z^9+4981002 z^8+1026480 z^7+186004 z^6+24024 z^5+3588 z^4$ $+208 z^3+1$	$\left\{ \left[\frac{52}{3}, \frac{2\sqrt{13}}{3} \right] \right\}$
$\{[26, 3, 22]\}$	$x^4+2 x^3+1$	$829922 z^{26}+10758540 z^{25}+67356874 z^{24}+269195888 z^{23}+774191652 z^{22}$ $+1703029744 z^{21}+2980607318 z^{20}+4257432504 z^{19}+5056186564 z^{18}$ $+5056245584 z^{17}+4297513818 z^{16}+3125350384 z^{15}+1953860090 z^{14}$ $+1051597716 z^{13}+488562802 z^{12}+195153608 z^{11}+67301676 z^{10}$ $+19677112 z^9+4967924 z^8+1022736 z^7+189514 z^6+24284 z^5+3120 z^4$ $+208 z^3+26 z^2+1$	$\left\{ \left[\frac{52}{3}, \frac{2\sqrt{13}}{3} \right] \right\}$
$\{[26, 3, 22]\}$	$x^4+2 x^3+2 x^2+2$	$828258 z^{26}+10773516 z^{25}+67300714 z^{24}+269306544 z^{23}+774072780 z^{22}$ $+1703105560 z^{21}+2980534284 z^{20}+4257536400 z^{19}+5056157080 z^{18}$ $+5056146420 z^{17}+4297589868 z^{16}+3125378464 z^{15}+1953855696 z^{14}$ $+1051539216 z^{13}+488569120 z^{12}+195208416 z^{11}+67279914 z^{10}$ $+19656052 z^9+4981002 z^8+1026480 z^7+186004 z^6+24024 z^5+3588 z^4$ $+208 z^3+1$	$\left\{ \left[\frac{52}{3}, \frac{2\sqrt{13}}{3} \right] \right\}$
$\{[26, 3, 22]\}$	$x^4+2 x^3+2 x^2+1$	$829922 z^{26}+10758540 z^{25}+67356874 z^{24}+269195888 z^{23}+774191652 z^{22}$ $+1703029744 z^{21}+2980607318 z^{20}+4257432504 z^{19}+5056186564 z^{18}$ $+5056245584 z^{17}+4297513818 z^{16}+3125350384 z^{15}+1953860090 z^{14}$ $+1051597716 z^{13}+488562802 z^{12}+195153608 z^{11}+67301676 z^{10}$ $+19677112 z^9+4967924 z^8+1022736 z^7+189514 z^6+24284 z^5+3120 z^4$ $+208 z^3+26 z^2+1$	$\left\{ \left[\frac{52}{3}, \frac{2\sqrt{13}}{3} \right] \right\}$

$\{[26, 3, 22]\}$	$x^4 + 2x^3 + 2x^2 + 2x + 2$	$828258 z^{26} + 10773516 z^{25} + 67300714 z^{24} + 269306544 z^{23} + 774072780 z^{22}$ $+ 1703105560 z^{21} + 2980534284 z^{20} + 4257536400 z^{19} + 5056157080 z^{18}$ $+ 5056146420 z^{17} + 4297589868 z^{16} + 3125378464 z^{15} + 1953855696 z^{14}$ $+ 1051539216 z^{13} + 488569120 z^{12} + 195208416 z^{11} + 67279914 z^{10}$ $+ 19656052 z^9 + 4981002 z^8 + 1026480 z^7 + 186004 z^6 + 24024 z^5 + 3588 z^4$ $+ 208 z^3 + 1$	$\left\{ \left[\frac{52}{3}, \frac{2\sqrt{13}}{3} \right] \right\}$
$\{[26, 3, 22]\}$	$x^4 + x^3 + x^2 + x + 2$	$828258 z^{26} + 10773516 z^{25} + 67300714 z^{24} + 269306544 z^{23} + 774072780 z^{22}$ $+ 1703105560 z^{21} + 2980534284 z^{20} + 4257536400 z^{19} + 5056157080 z^{18}$ $+ 5056146420 z^{17} + 4297589868 z^{16} + 3125378464 z^{15} + 1953855696 z^{14}$ $+ 1051539216 z^{13} + 488569120 z^{12} + 195208416 z^{11} + 67279914 z^{10}$ $+ 19656052 z^9 + 4981002 z^8 + 1026480 z^7 + 186004 z^6 + 24024 z^5 + 3588 z^4$ $+ 208 z^3 + 1$	$\left\{ \left[\frac{52}{3}, \frac{2\sqrt{13}}{3} \right] \right\}$
$\{[26, 3, 22]\}$	$x^4 + x^3 + 1$	$829922 z^{26} + 10758540 z^{25} + 67356874 z^{24} + 269195888 z^{23} + 774191652 z^{22}$ $+ 1703029744 z^{21} + 2980607318 z^{20} + 4257432504 z^{19} + 5056186564 z^{18}$ $+ 5056245584 z^{17} + 4297513818 z^{16} + 3125350384 z^{15} + 1953860090 z^{14}$ $+ 1051597716 z^{13} + 488562802 z^{12} + 195153608 z^{11} + 67301676 z^{10}$ $+ 19677112 z^9 + 4967924 z^8 + 1022736 z^7 + 189514 z^6 + 24284 z^5 + 3120 z^4$ $+ 208 z^3 + 26 z^2 + 1$	$\left\{ \left[\frac{52}{3}, \frac{2\sqrt{13}}{3} \right] \right\}$
$\{[26, 3, 22]\}$	$x^4 + x^3 + 2x^2 + 2$	$828258 z^{26} + 10773516 z^{25} + 67300714 z^{24} + 269306544 z^{23} + 774072780 z^{22}$ $+ 1703105560 z^{21} + 2980534284 z^{20} + 4257536400 z^{19} + 5056157080 z^{18}$ $+ 5056146420 z^{17} + 4297589868 z^{16} + 3125378464 z^{15} + 1953855696 z^{14}$ $+ 1051539216 z^{13} + 488569120 z^{12} + 195208416 z^{11} + 67279914 z^{10}$ $+ 19656052 z^9 + 4981002 z^8 + 1026480 z^7 + 186004 z^6 + 24024 z^5 + 3588 z^4$ $+ 208 z^3 + 1$	$\left\{ \left[\frac{52}{3}, \frac{2\sqrt{13}}{3} \right] \right\}$
$\{[26, 3, 22]\}$	$x^4 + x^3 + 2x^2 + 1$	$829922 z^{26} + 10758540 z^{25} + 67356874 z^{24} + 269195888 z^{23} + 774191652 z^{22}$ $+ 1703029744 z^{21} + 2980607318 z^{20} + 4257432504 z^{19} + 5056186564 z^{18}$ $+ 5056245584 z^{17} + 4297513818 z^{16} + 3125350384 z^{15} + 1953860090 z^{14}$ $+ 1051597716 z^{13} + 488562802 z^{12} + 195153608 z^{11} + 67301676 z^{10}$ $+ 19677112 z^9 + 4967924 z^8 + 1022736 z^7 + 189514 z^6 + 24284 z^5 + 3120 z^4$ $+ 208 z^3 + 26 z^2 + 1$	$\left\{ \left[\frac{52}{3}, \frac{2\sqrt{13}}{3} \right] \right\}$

$\{[26, 3, 22]\}$	$x^4 + x^3 + 2x^2 + x + 2$	$828258 z^{26} + 10773516 z^{25} + 67300714 z^{24} + 269306544 z^{23} + 774072780 z^{22}$ $+ 1703105560 z^{21} + 2980534284 z^{20} + 4257536400 z^{19} + 5056157080 z^{18}$ $+ 5056146420 z^{17} + 4297589868 z^{16} + 3125378464 z^{15} + 1953855696 z^{14}$ $+ 1051539216 z^{13} + 488569120 z^{12} + 195208416 z^{11} + 67279914 z^{10}$ $+ 19656052 z^9 + 4981002 z^8 + 1026480 z^7 + 186004 z^6 + 24024 z^5 + 3588 z^4$ $+ 208 z^3 + 1$	$\left\{ \left[\frac{52}{3}, \frac{2\sqrt{13}}{3} \right] \right\}$
$\{[27, 3, 23]\}$	$x^4 + 2x^3 + 2x + 1$	$1638008 z^{27} + 22363992 z^{26} + 145567368 z^{25} + 605771496 z^{24} + 1817380368 z^{23}$ $+ 4179787920 z^{22} + 7664588784 z^{21} + 11497033296 z^{20} + 14368571532 z^{19}$ $+ 15167785602 z^{18} + 13650967800 z^{17} + 10550521674 z^{16}$ $+ 7031157840 z^{15} + 4059083880 z^{14} + 2026150848 z^{13} + 880727976 z^{12}$ $+ 328581576 z^{11} + 107548884 z^{10} + 29127786 z^9 + 7217802 z^8 + 1310904 z^7$ $+ 261936 z^6 + 25164 z^5 + 6156 z^4 + 180 z^3 + 54 z^2 + 1$	$\{[18, \sqrt{6}]\}$
$\{[28, 3, 24]\}$	$x^4 + 2$	$3111696 z^{28} + 45638208 z^{27} + 313244064 z^{26} + 1360387392 z^{25}$ $+ 4244622256 z^{24} + 10175015424 z^{23} + 19496273664 z^{22}$ $+ 30650425120 z^{21} + 40247746224 z^{20} + 44721097344 z^{19}$ $+ 42474672352 z^{18} + 34730577504 z^{17} + 24609646320 z^{16}$ $+ 15141271264 z^{15} + 8128715448 z^{14} + 3783274320 z^{13} + 1544412184 z^{12}$ $+ 537121536 z^{11} + 167435352 z^{10} + 42059248 z^9 + 10545192 z^8$ $+ 1764168 z^7 + 432208 z^6 + 36120 z^5 + 11424 z^4 + 280 z^3 + 168 z^2 + 1$	$\left\{ \left[\frac{56}{3}, \frac{2\sqrt{14}}{3} \right] \right\}$
$\{[30, 3, 26]\}$	$x^4 + x^2 + 1$	$13410244 z^{30} + 198846600 z^{29} + 1440446220 z^{28} + 6726908240 z^{27}$ $+ 22709575620 z^{26} + 59035489200 z^{25} + 122978567700 z^{24}$ $+ 210827937600 z^{23} + 303077621700 z^{22} + 370439680200 z^{21}$ $+ 388940746320 z^{20} + 353569764960 z^{19} + 279922483740 z^{18}$ $+ 193793311440 z^{17} + 117674143200 z^{16} + 62742013524 z^{15}$ $+ 29418285600 z^{14} + 12104979660 z^{13} + 4378739520 z^{12} + 1379559060 z^{11}$ $+ 381458700 z^{10} + 89490300 z^9 + 18695700 z^8 + 3102300 z^7 + 504000 z^6$ $+ 57060 z^5 + 9180 z^4 + 620 z^3 + 120 z^2 + 1$	$\left\{ \left[20, \frac{2\sqrt{15}}{3} \right] \right\}$
		$13321834 z^{30} + 198634260 z^{29} + 1441422270 z^{28} + 6728356520 z^{27}$ $+ 22705964010 z^{26} + 59029942212 z^{25} + 122986196820 z^{24}$ $+ 210837699360 z^{23} + 303078085290 z^{22} + 370411219860 z^{21}$	

$\{[30, 3, 26]\}$	$x^4 + 2x^3 + x^2 + 2x + 1$	$+388947143970 z^{20} + 353585981160 z^{19} + 279933600990 z^{18}$ $+193775259420 z^{17} + 117674334900 z^{16} + 62733280320 z^{15}$ $+29435123790 z^{14} + 12097065420 z^{13} + 4383741990 z^{12} + 1374287400 z^{11}$ $+383614110 z^{10} + 88790460 z^9 + 19240200 z^8 + 2937600 z^7 + 534510 z^6$ $+39852 z^5 + 9450 z^4 + 200 z^3 + 150 z^2 + 1$	$\left[20, \frac{2\sqrt{15}}{3} \right]$
$\{[30, 3, 26]\}$	$x^4 + 2x^3 + x + 2$	$13327722 z^{30} + 198882900 z^{29} + 1440938910 z^{28} + 6727115720 z^{27}$ $+22707934410 z^{26} + 59033667720 z^{25} + 122982361410 z^{24}$ $+210831846240 z^{23} + 303075471090 z^{22} + 370429175100 z^{21}$ $+388945982946 z^{20} + 353572815000 z^{19} + 279930659370 z^{18}$ $+193780327440 z^{17} + 117681180870 z^{16} + 62732067600 z^{15}$ $+29430915150 z^{14} + 12096371100 z^{13} + 4384837650 z^{12} + 1375095000 z^{11}$ $+383596500 z^{10} + 88519500 z^9 + 19177500 z^8 + 2964000 z^7 + 545250 z^6$ $+42060 z^5 + 9930 z^4 + 120 z^3 + 120 z^2 + 1$	$\left[20, \frac{2\sqrt{15}}{3} \right]$
$\{[30, 3, 26]\}$	$x^4 + x^3 + x^2 + x + 1$	$13321834 z^{30} + 198634260 z^{29} + 1441422270 z^{28} + 6728356520 z^{27}$ $+22705964010 z^{26} + 59029942212 z^{25} + 122986196820 z^{24}$ $+210837699360 z^{23} + 303078085290 z^{22} + 370411219860 z^{21}$ $+388947143970 z^{20} + 353585981160 z^{19} + 279933600990 z^{18}$ $+193775259420 z^{17} + 117674334900 z^{16} + 62733280320 z^{15}$ $+29435123790 z^{14} + 12097065420 z^{13} + 4383741990 z^{12} + 1374287400 z^{11}$ $+383614110 z^{10} + 88790460 z^9 + 19240200 z^8 + 2937600 z^7 + 534510 z^6$ $+39852 z^5 + 9450 z^4 + 200 z^3 + 150 z^2 + 1$	$\left[20, \frac{2\sqrt{15}}{3} \right]$
$\{[30, 3, 26]\}$	$x^4 + x^3 + 2x + 2$	$13327722 z^{30} + 198882900 z^{29} + 1440938910 z^{28} + 6727115720 z^{27}$ $+22707934410 z^{26} + 59033667720 z^{25} + 122982361410 z^{24}$ $+210831846240 z^{23} + 303075471090 z^{22} + 370429175100 z^{21}$ $+388945982946 z^{20} + 353572815000 z^{19} + 279930659370 z^{18}$ $+193780327440 z^{17} + 117681180870 z^{16} + 62732067600 z^{15}$ $+29430915150 z^{14} + 12096371100 z^{13} + 4384837650 z^{12} + 1375095000 z^{11}$ $+383596500 z^{10} + 88519500 z^9 + 19177500 z^8 + 2964000 z^7 + 545250 z^6$ $+42060 z^5 + 9930 z^4 + 120 z^3 + 120 z^2 + 1$	$\left[20, \frac{2\sqrt{15}}{3} \right]$
		$54700816 z^{32} + 854859264 z^{31} + 6577114880 z^{30} + 32843270656 z^{29}$	

$\{[32, 3, 28]\}$	x^4+2	$+119121738624 z^{28} + 333714558464 z^{27} + 750938082048 z^{26}$ $+1394392495104 z^{25} + 2178460838880 z^{24} + 2904552930048 z^{23}$ $+3340516427136 z^{22} + 3340767279360 z^{21} + 2923248963264 z^{20}$ $+2248350789888 z^{19} + 1525637334144 z^{18} + 915203165184 z^{17}$ $+486465615576 z^{16} + 228821572224 z^{15} + 95491308864 z^{14}$ $+35062989696 z^{13} + 11448445344 z^{12} + 3227097216 z^{11} + 825797952 z^{10}$ $+172467456 z^9 + 36294840 z^8 + 5156928 z^7 + 1062432 z^6 + 77504 z^5$ $+20496 z^4 + 448 z^3 + 224 z^2 + 1$	$\left\{ \left[\frac{64}{3}, \frac{8}{3} \right] \right\}$
$\{[32, 3, 28]\}$	x^4+1	$54700816 z^{32} + 854859264 z^{31} + 6577114880 z^{30} + 32843270656 z^{29}$ $+119121738624 z^{28} + 333714558464 z^{27} + 750938082048 z^{26}$ $+1394392495104 z^{25} + 2178460838880 z^{24} + 2904552930048 z^{23}$ $+3340516427136 z^{22} + 3340767279360 z^{21} + 2923248963264 z^{20}$ $+2248350789888 z^{19} + 1525637334144 z^{18} + 915203165184 z^{17}$ $+486465615576 z^{16} + 228821572224 z^{15} + 95491308864 z^{14}$ $+35062989696 z^{13} + 11448445344 z^{12} + 3227097216 z^{11} + 825797952 z^{10}$ $+172467456 z^9 + 36294840 z^8 + 5156928 z^7 + 1062432 z^6 + 77504 z^5$ $+20496 z^4 + 448 z^3 + 224 z^2 + 1$	$\left\{ \left[\frac{64}{3}, \frac{8}{3} \right] \right\}$
$\{[32, 3, 28]\}$	x^4+2x^2+2	$53231616 z^{32} + 847970304 z^{31} + 6573703168 z^{30} + 32877428736 z^{29}$ $+119177680896 z^{28} + 333671837696 z^{27} + 750777744384 z^{26}$ $+1394318287872 z^{25} + 2178643881024 z^{24} + 2904803633664 z^{23}$ $+3340508785920 z^{22} + 3340558044672 z^{21} + 2922995617920 z^{20}$ $+2248446057984 z^{19} + 1525714961664 z^{18} + 915423837696 z^{17}$ $+486334123200 z^{16} + 228868194816 z^{15} + 95355794304 z^{14}$ $+35128923264 z^{13} + 11417441808 z^{12} + 3262625856 z^{11} + 816025248 z^{10}$ $+177399744 z^9 + 33138864 z^8 + 5272704 z^7 + 717120 z^6 + 82944 z^5$ $+8688 z^4 + 1088 z^3 + 96 z^2 + 1$	$\left\{ \left[\frac{64}{3}, \frac{8}{3} \right] \right\}$
$\{[32, 3, 28]\}$	x^4+x^2+2	$53231616 z^{32} + 847970304 z^{31} + 6573703168 z^{30} + 32877428736 z^{29}$ $+119177680896 z^{28} + 333671837696 z^{27} + 750777744384 z^{26}$ $+1394318287872 z^{25} + 2178643881024 z^{24} + 2904803633664 z^{23}$ $+3340508785920 z^{22} + 3340558044672 z^{21} + 2922995617920 z^{20}$ $+2248446057984 z^{19} + 1525714961664 z^{18} + 915423837696 z^{17}$	

		$+486334123200 z^{16} + 228868194816 z^{15} + 95355794304 z^{14}$ $+35128923264 z^{13} + 11417441808 z^{12} + 3262625856 z^{11} + 816025248 z^{10}$ $+177399744 z^9 + 33138864 z^8 + 5272704 z^7 + 717120 z^6 + 82944 z^5$ $+8688 z^4 + 1088 z^3 + 96 z^2 + 1$	$\left\{ \left[\frac{64}{3}, \frac{8}{3} \right] \right\}$
$\{[32, 3, 28]\}$	$x^4 + 2x^3 + x^2 + x + 1$	$53042116 z^{32} + 848235904 z^{31} + 6575513408 z^{30} + 32874371328 z^{29}$ $+119172175344 z^{28} + 333682087616 z^{27} + 750785955552 z^{26}$ $+1394309043648 z^{25} + 2178618286248 z^{24} + 2904815243328 z^{23}$ $+3340556904480 z^{22} + 3340517217600 z^{21} + 2922999093216 z^{20}$ $+2248422807168 z^{19} + 1525752208128 z^{18} + 915406577280 z^{17}$ $+486354862260 z^{16} + 228835982016 z^{15} + 95378543328 z^{14}$ $+35114294208 z^{13} + 11429970720 z^{12} + 3255626880 z^{11} + 818764416 z^{10}$ $+175895808 z^9 + 33745968 z^8 + 5171328 z^7 + 757440 z^6 + 68864 z^5$ $+9200 z^4 + 64 z^3 + 96 z^2 + 1$	$\left\{ \left[\frac{64}{3}, \frac{8}{3} \right] \right\}$
$\{[32, 3, 28]\}$	$x^4 + 2x^3 + 2x + 2$	$53042116 z^{32} + 848235904 z^{31} + 6575513408 z^{30} + 32874371328 z^{29}$ $+119172175344 z^{28} + 333682087616 z^{27} + 750785955552 z^{26}$ $+1394309043648 z^{25} + 2178618286248 z^{24} + 2904815243328 z^{23}$ $+3340556904480 z^{22} + 3340517217600 z^{21} + 2922999093216 z^{20}$ $+2248422807168 z^{19} + 1525752208128 z^{18} + 915406577280 z^{17}$ $+486354862260 z^{16} + 228835982016 z^{15} + 95378543328 z^{14}$ $+35114294208 z^{13} + 11429970720 z^{12} + 3255626880 z^{11} + 818764416 z^{10}$ $+175895808 z^9 + 33745968 z^8 + 5171328 z^7 + 757440 z^6 + 68864 z^5$ $+9200 z^4 + 64 z^3 + 96 z^2 + 1$	$\left\{ \left[\frac{64}{3}, \frac{8}{3} \right] \right\}$
$\{[32, 3, 28]\}$	$x^4 + x^3 + x^2 + 2x + 1$	$53042116 z^{32} + 848235904 z^{31} + 6575513408 z^{30} + 32874371328 z^{29}$ $+119172175344 z^{28} + 333682087616 z^{27} + 750785955552 z^{26}$ $+1394309043648 z^{25} + 2178618286248 z^{24} + 2904815243328 z^{23}$ $+3340556904480 z^{22} + 3340517217600 z^{21} + 2922999093216 z^{20}$ $+2248422807168 z^{19} + 1525752208128 z^{18} + 915406577280 z^{17}$ $+486354862260 z^{16} + 228835982016 z^{15} + 95378543328 z^{14}$ $+35114294208 z^{13} + 11429970720 z^{12} + 3255626880 z^{11} + 818764416 z^{10}$	$\left\{ \left[\frac{64}{3}, \frac{8}{3} \right] \right\}$

		$+175895808 z^9 + 33745968 z^8 + 5171328 z^7 + 757440 z^6 + 68864 z^5$ $+ 9200 z^4 + 64 z^3 + 96 z^2 + 1$	
$\{[32, 3, 28]\}$	$x^4 + x^3 + x + 2$	$53042116 z^{32} + 848235904 z^{31} + 6575513408 z^{30} + 32874371328 z^{29}$ $+ 119172175344 z^{28} + 333682087616 z^{27} + 750785955552 z^{26}$ $+ 1394309043648 z^{25} + 2178618286248 z^{24} + 2904815243328 z^{23}$ $+ 3340556904480 z^{22} + 3340517217600 z^{21} + 2922999093216 z^{20}$ $+ 2248422807168 z^{19} + 1525752208128 z^{18} + 915406577280 z^{17}$ $+ 486354862260 z^{16} + 228835982016 z^{15} + 95378543328 z^{14}$ $+ 35114294208 z^{13} + 11429970720 z^{12} + 3255626880 z^{11} + 818764416 z^{10}$ $+ 175895808 z^9 + 33745968 z^8 + 5171328 z^7 + 757440 z^6 + 68864 z^5$ $+ 9200 z^4 + 64 z^3 + 96 z^2 + 1$	$\left\{ \left[\frac{64}{3}, \frac{8}{3} \right] \right\}$
$\{[35, 3, 31]\}$	$x^4 + x^3 + x^2 + x + 1$	$424708118 z^{35} + 7421643390 z^{34} + 63096756450 z^{33} + 347056826410 z^{32}$ $+ 1388175680640 z^{31} + 4303306648648 z^{30} + 10758373592820 z^{29}$ $+ 22285240702830 z^{28} + 38999089860920 z^{27} + 58498447719180 z^{26}$ $+ 76048174621692 z^{25} + 86418560976930 z^{24} + 86418323955600 z^{23}$ $+ 76447096266240 z^{22} + 60065148232320 z^{21} + 42046379869410 z^{20}$ $+ 26278222154940 z^{19} + 14685646843560 z^{18} + 7341981164700 z^{17}$ $+ 3285338484330 z^{16} + 1313547023880 z^{15} + 469554306060 z^{14}$ $+ 149122994580 z^{13} + 42296487870 z^{12} + 10498269600 z^{11}$ $+ 2344154904 z^{10} + 437792460 z^9 + 77240170 z^8 + 9721320 z^7 + 1471260 z^6$ $+ 93464 z^5 + 18690 z^4 + 350 z^3 + 210 z^2 + 1$	$\left\{ \left[\frac{70}{3}, \frac{\sqrt{70}}{3} \right] \right\}$
$\{[36, 3, 32]\}$	$x^4 + 2$	$835210000 z^{36} + 15210648000 z^{35} + 133593602400 z^{34} + 757478454720 z^{33}$ $+ 3123954957456 z^{32} + 9994654720512 z^{31} + 25818277400832 z^{30}$ $+ 55327316843520 z^{29} + 100285248621312 z^{28} + 156000397403552 z^{27}$ $+ 210595901006880 z^{26} + 248880581760096 z^{25} + 259250979652704 z^{24}$ $+ 239312344211136 z^{23} + 196582942208448 z^{22} + 144159093946944 z^{21}$ $+ 94603978334016 z^{20} + 55644946638336 z^{19} + 29370773160024 z^{18}$ $+ 13910767386192 z^{17} + 5914899367704 z^{16} + 2251777951872 z^{15}$ $+ 768641181408 z^{14} + 233119933632 z^{13} + 63454955616 z^{12}$ $+ 15046566912 z^{11} + 3267187488 z^{10} + 584104424 z^9 + 105857784 z^8$ $+ 13069728 z^7 + 2322912 z^6 + 150192 z^5 + 34128 z^4 + 672 z^3 + 288 z^2 + 1$	$\{[24, 2\sqrt{2}]\}$

$\{[36, 3, 32]\}$	$x^4 + 2x^2 + 1$	$850888900 z^{36} + 15270845040 z^{35} + 133599490776 z^{34} + 757177644912 z^{33}$ $+ 3123491648580 z^{32} + 9994919081184 z^{31} + 25819868445816 z^{30}$ $+ 55328466030480 z^{29} + 100283647334904 z^{28} + 155996746164608 z^{27}$ $+ 210594811236120 z^{26} + 248884078289040 z^{25} + 259255239270012 z^{24}$ $+ 239312910563136 z^{23} + 196578628143912 z^{22} + 144156744048816 z^{21}$ $+ 94603094106264 z^{20} + 55648532793456 z^{19} + 29370959039148 z^{18}$ $+ 13911906938904 z^{17} + 5913018716832 z^{16} + 2252111218272 z^{15}$ $+ 768055741272 z^{14} + 233606240784 z^{13} + 63367150644 z^{12}$ $+ 15162959376 z^{11} + 3224164824 z^{10} + 588997904 z^9 + 96918192 z^8$ $+ 12867552 z^7 + 1694136 z^6 + 156240 z^5 + 20520 z^4 + 1104 z^3 + 180 z^2 + 1$	$\{[24, 2\sqrt{2}]\}$
$\{[36, 3, 32]\}$	$x^4 + x^2 + 1$	$850888900 z^{36} + 15270845040 z^{35} + 133599490776 z^{34} + 757177644912 z^{33}$ $+ 3123491648580 z^{32} + 9994919081184 z^{31} + 25819868445816 z^{30}$ $+ 55328466030480 z^{29} + 100283647334904 z^{28} + 155996746164608 z^{27}$ $+ 210594811236120 z^{26} + 248884078289040 z^{25} + 259255239270012 z^{24}$ $+ 239312910563136 z^{23} + 196578628143912 z^{22} + 144156744048816 z^{21}$ $+ 94603094106264 z^{20} + 55648532793456 z^{19} + 29370959039148 z^{18}$ $+ 13911906938904 z^{17} + 5913018716832 z^{16} + 2252111218272 z^{15}$ $+ 768055741272 z^{14} + 233606240784 z^{13} + 63367150644 z^{12}$ $+ 15162959376 z^{11} + 3224164824 z^{10} + 588997904 z^9 + 96918192 z^8$ $+ 12867552 z^7 + 1694136 z^6 + 156240 z^5 + 20520 z^4 + 1104 z^3 + 180 z^2 + 1$	$\{[24, 2\sqrt{2}]\}$
$\{[36, 3, 32]\}$	$x^4 + 2x^3 + x + 2$	$849684970 z^{36} + 15270495768 z^{35} + 133611808284 z^{34} + 757180409496 z^{33}$ $+ 3123442385514 z^{32} + 9994896428400 z^{31} + 25819976224956 z^{30}$ $+ 55328571280584 z^{29} + 100283489290620 z^{28} + 155996532594176 z^{27}$ $+ 210594866052060 z^{26} + 248884429202424 z^{25} + 259255372469328 z^{24}$ $+ 239312447101872 z^{23} + 196578690833052 z^{22} + 144156462261480 z^{21}$ $+ 94603887701496 z^{20} + 55647883155312 z^{19} + 29371505867556 z^{18}$ $+ 13911222071592 z^{17} + 5913584491788 z^{16} + 2251735480656 z^{15}$ $+ 768342874932 z^{14} + 233425928952 z^{13} + 63455092506 z^{12}$ $+ 15117778872 z^{11} + 3243766176 z^{10} + 582671264 z^9 + 99286794 z^8$ $+ 12216960 z^7 + 1807644 z^6 + 114120 z^5 + 21816 z^4 + 240 z^3 + 180 z^2 + 1$	$\{[24, 2\sqrt{2}]\}$
		$849634696 z^{36} + 15270934752 z^{35} + 133610515632 z^{34} + 757180639968 z^{33}$	

$\{[36, 3, 32]\}$	$x^4 + 2x^3 + 2x + 1$	$+3123449837640 z^{32} + 9994879243008 z^{31} + 25819984806528 z^{30}$ $+55328594441472 z^{29} + 100283447544192 z^{28} + 155996561982272 z^{27}$ $+210594830863824 z^{26} + 248884507309104 z^{25} + 259255284596802 z^{24}$ $+239312497100688 z^{23} + 196578630862920 z^{22} + 144156600293904 z^{21}$ $+94603698385812 z^{20} + 55648072936368 z^{19} + 29371305499800 z^{18}$ $+13911441233184 z^{17} + 5913387411822 z^{16} + 2251876274208 z^{15}$ $+768253060080 z^{14} + 233481403584 z^{13} + 63424004382 z^{12}$ $+15132637080 z^{11} + 3237484140 z^{10} + 585070376 z^9 + 98525592 z^8$ $+12412224 z^7 + 1760880 z^6 + 123552 z^5 + 20790 z^4 + 456 z^3 + 108 z^2 + 1$	$\{[24, 2\sqrt{2}]\}$
$\{[36, 3, 32]\}$	$x^4 + 2x^3 + 2x^2 + 2x + 1$	$848430118 z^{36} + 15270597288 z^{35} + 133622734212 z^{34} + 757183904808 z^{33}$ $+3123398899638 z^{32} + 9994860364608 z^{31} + 25820087315808 z^{30}$ $+55328701996224 z^{29} + 100283297659848 z^{28} + 155996326660424 z^{27}$ $+210594909274632 z^{26} + 248884863876936 z^{25} + 259255337493366 z^{24}$ $+239312239294752 z^{23} + 196578316995048 z^{22} + 144156889881216 z^{21}$ $+94603742178192 z^{20} + 55648290666312 z^{19} + 29370954801876 z^{18}$ $+13911596434800 z^{17} + 5913239389506 z^{16} + 2252048437440 z^{15}$ $+768163760928 z^{14} + 233530763040 z^{13} + 63387947232 z^{12}$ $+15146679672 z^{11} + 3232090512 z^{10} + 588011432 z^9 + 97908066 z^8$ $+12587616 z^7 + 1680312 z^6 + 119520 z^5 + 16146 z^4 + 240 z^3 + 72 z^2 + 1$	$\{[24, 2\sqrt{2}]\}$
$\{[36, 3, 32]\}$	$x^4 + x^3 + 2x + 2$	$849684970 z^{36} + 15270495768 z^{35} + 133611808284 z^{34} + 757180409496 z^{33}$ $+3123442385514 z^{32} + 9994896428400 z^{31} + 25819976224956 z^{30}$ $+55328571280584 z^{29} + 100283489290620 z^{28} + 155996532594176 z^{27}$ $+210594866052060 z^{26} + 248884429202424 z^{25} + 259255372469328 z^{24}$ $+239312447101872 z^{23} + 196578690833052 z^{22} + 144156462261480 z^{21}$ $+94603887701496 z^{20} + 55647883155312 z^{19} + 29371505867556 z^{18}$ $+13911222071592 z^{17} + 5913584491788 z^{16} + 2251735480656 z^{15}$ $+768342874932 z^{14} + 233425928952 z^{13} + 63455092506 z^{12}$ $+15117778872 z^{11} + 3243766176 z^{10} + 582671264 z^9 + 99286794 z^8$ $+12216960 z^7 + 1807644 z^6 + 114120 z^5 + 21816 z^4 + 240 z^3 + 180 z^2 + 1$	$\{[24, 2\sqrt{2}]\}$
		$849634696 z^{36} + 15270934752 z^{35} + 133610515632 z^{34} + 757180639968 z^{33}$ $+3123449837640 z^{32} + 9994879243008 z^{31} + 25819984806528 z^{30}$	

$\{[36, 3, 32]\}$	$x^4 + x^3 + x + 1$	$+55328594441472 z^{29} + 100283447544192 z^{28} + 155996561982272 z^{27}$ $+210594830863824 z^{26} + 248884507309104 z^{25} + 259255284596802 z^{24}$ $+239312497100688 z^{23} + 196578630862920 z^{22} + 144156600293904 z^{21}$ $+94603698385812 z^{20} + 55648072936368 z^{19} + 29371305499800 z^{18}$ $+13911441233184 z^{17} + 5913387411822 z^{16} + 2251876274208 z^{15}$ $+768253060080 z^{14} + 233481403584 z^{13} + 63424004382 z^{12}$ $+15132637080 z^{11} + 3237484140 z^{10} + 585070376 z^9 + 98525592 z^8$ $+12412224 z^7 + 1760880 z^6 + 123552 z^5 + 20790 z^4 + 456 z^3 + 108 z^2 + 1$	$\{[24, 2\sqrt{2}]\}$
$\{[36, 3, 32]\}$	$x^4 + x^3 + 2x^2 + x + 1$	$848430118 z^{36} + 15270597288 z^{35} + 133622734212 z^{34} + 757183904808 z^{33}$ $+3123398899638 z^{32} + 9994860364608 z^{31} + 25820087315808 z^{30}$ $+55328701996224 z^{29} + 100283297659848 z^{28} + 155996326660424 z^{27}$ $+210594909274632 z^{26} + 248884863876936 z^{25} + 259255337493366 z^{24}$ $+239312239294752 z^{23} + 196578316995048 z^{22} + 144156889881216 z^{21}$ $+94603742178192 z^{20} + 55648290666312 z^{19} + 29370954801876 z^{18}$ $+13911596434800 z^{17} + 5913239389506 z^{16} + 2252048437440 z^{15}$ $+768163760928 z^{14} + 233530763040 z^{13} + 63387947232 z^{12}$ $+15146679672 z^{11} + 3232090512 z^{10} + 588011432 z^9 + 97908066 z^8$ $+12587616 z^7 + 1680312 z^6 + 119520 z^5 + 16146 z^4 + 240 z^3 + 72 z^2 + 1$	$\{[24, 2\sqrt{2}]\}$
$\{[39, 3, 35]\}$	$x^4 + x + 1$	$6787023518 z^{39} + 132349655022 z^{38} + 1257306702678 z^{37}$ $+7753436554630 z^{36} + 34890392710602 z^{35} + 122116403622330 z^{34}$ $+345996571772514 z^{33} + 815563200764754 z^{32} + 1631126418816492 z^{31}$ $+2809162168607002 z^{30} + 4213743684652632 z^{29}$ $+5554479447020790 z^{28} + 6480226413810266 z^{27}$ $+6729466701569904 z^{26} + 6248789009152794 z^{25}$ $+5207325448313664 z^{24} + 3905492993994852 z^{23}$ $+2641952724131682 z^{22} + 1614524409646590 z^{21}$ $+892239751144872 z^{20} + 446117305161294 z^{19} + 201817320674892 z^{18}$ $+82559712354912 z^{17} + 30512583130770 z^{16} + 10169949010572 z^{15}$ $+3051542184678 z^{14} + 821262949884 z^{13} + 197857392382 z^{12}$ $+42336741486 z^{11} + 8052765552 z^{10} + 1334194706 z^9 + 195941772 z^8$ $+23933286 z^7 + 2665104 z^6 + 212472 z^5 + 17550 z^4 + 728 z^3 + 78 z^2 + 1$	$\left\{ \left[26, \frac{\sqrt{78}}{3} \right] \right\}$

$\{[39, 3, 35]\}$	$x^4 + 2x^2 + 2x + 1$	$6787023518 z^{39} + 132349655022 z^{38} + 1257306702678 z^{37}$ $+ 7753436554630 z^{36} + 34890392710602 z^{35} + 122116403622330 z^{34}$ $+ 345996571772514 z^{33} + 815563200764754 z^{32} + 1631126418816492 z^{31}$ $+ 2809162168607002 z^{30} + 4213743684652632 z^{29}$ $+ 5554479447020790 z^{28} + 6480226413810266 z^{27}$ $+ 6729466701569904 z^{26} + 6248789009152794 z^{25}$ $+ 5207325448313664 z^{24} + 3905492993994852 z^{23}$ $+ 2641952724131682 z^{22} + 1614524409646590 z^{21}$ $+ 892239751144872 z^{20} + 446117305161294 z^{19} + 201817320674892 z^{18}$ $+ 82559712354912 z^{17} + 30512583130770 z^{16} + 10169949010572 z^{15}$ $+ 3051542184678 z^{14} + 821262949884 z^{13} + 197857392382 z^{12}$ $+ 42336741486 z^{11} + 8052765552 z^{10} + 1334194706 z^9 + 195941772 z^8$ $+ 23933286 z^7 + 2665104 z^6 + 212472 z^5 + 17550 z^4 + 728 z^3 + 78 z^2 + 1$	$\left\{ \left[26, \frac{\sqrt{78}}{3} \right] \right\}$
$\{[39, 3, 35]\}$	$x^4 + 2x^3 + 2x^2 + 1$	$6787023518 z^{39} + 132349655022 z^{38} + 1257306702678 z^{37}$ $+ 7753436554630 z^{36} + 34890392710602 z^{35} + 122116403622330 z^{34}$ $+ 345996571772514 z^{33} + 815563200764754 z^{32} + 1631126418816492 z^{31}$ $+ 2809162168607002 z^{30} + 4213743684652632 z^{29}$ $+ 5554479447020790 z^{28} + 6480226413810266 z^{27}$ $+ 6729466701569904 z^{26} + 6248789009152794 z^{25}$ $+ 5207325448313664 z^{24} + 3905492993994852 z^{23}$ $+ 2641952724131682 z^{22} + 1614524409646590 z^{21}$ $+ 892239751144872 z^{20} + 446117305161294 z^{19} + 201817320674892 z^{18}$ $+ 82559712354912 z^{17} + 30512583130770 z^{16} + 10169949010572 z^{15}$ $+ 3051542184678 z^{14} + 821262949884 z^{13} + 197857392382 z^{12}$ $+ 42336741486 z^{11} + 8052765552 z^{10} + 1334194706 z^9 + 195941772 z^8$ $+ 23933286 z^7 + 2665104 z^6 + 212472 z^5 + 17550 z^4 + 728 z^3 + 78 z^2 + 1$	$\left\{ \left[26, \frac{\sqrt{78}}{3} \right] \right\}$
		$6787023518 z^{39} + 132349655022 z^{38} + 1257306702678 z^{37}$ $+ 7753436554630 z^{36} + 34890392710602 z^{35} + 122116403622330 z^{34}$ $+ 345996571772514 z^{33} + 815563200764754 z^{32} + 1631126418816492 z^{31}$ $+ 2809162168607002 z^{30} + 4213743684652632 z^{29}$ $+ 5554479447020790 z^{28} + 6480226413810266 z^{27}$	

$\{[39, 3, 35]\}$	$x^4 + x^3 + 1$	$+6729466701569904 z^{26} + 6248789009152794 z^{25}$ $+5207325448313664 z^{24} + 3905492993994852 z^{23}$ $+2641952724131682 z^{22} + 1614524409646590 z^{21}$ $+892239751144872 z^{20} + 446117305161294 z^{19} + 201817320674892 z^{18}$ $+82559712354912 z^{17} + 30512583130770 z^{16} + 10169949010572 z^{15}$ $+3051542184678 z^{14} + 821262949884 z^{13} + 197857392382 z^{12}$ $+42336741486 z^{11} + 8052765552 z^{10} + 1334194706 z^9 + 195941772 z^8$ $+23933286 z^7 + 2665104 z^6 + 212472 z^5 + 17550 z^4 + 728 z^3 + 78 z^2 + 1$	$\left\{ \left[26, \frac{\sqrt{78}}{3} \right] \right\}$
$\{[40, 3, 36]\}$	$x^4 + 2$	$13680577296 z^{40} + 272011478400 z^{39} + 2647381890240 z^{38}$ $+16761491902080 z^{37} + 77528017807840 z^{36} + 279124451533440 z^{35}$ $+814129479357120 z^{34} + 1977142691230080 z^{33}$ $+4077795385907280 z^{32} + 7249392788284800 z^{31}$ $+11236627722613152 z^{30} + 15322765046846400 z^{29}$ $+18515015381547360 z^{28} + 19939155194232320 z^{27}$ $+19226967408963360 z^{26} + 16663367289130560 z^{25}$ $+13018341441703680 z^{24} + 9189438654625920 z^{23}$ $+5871059791146720 z^{22} + 3398965287292800 z^{21}$ $+1784476545872184 z^{20} + 849710924157600 z^{19} + 366962683717680 z^{18}$ $+143574224297760 z^{17} + 50869357431480 z^{16} + 16265227380480 z^{15}$ $+4697592999840 z^{14} + 1213815447360 z^{13} + 283365059760 z^{12}$ $+58004575200 z^{11} + 10941124968 z^{10} + 1710122000 z^9 + 272078280 z^8$ $+29698560 z^7 + 4640880 z^6 + 269280 z^5 + 53640 z^4 + 960 z^3 + 360 z^2 + 1$	$\left\{ \left[\frac{80}{3}, \frac{4\sqrt{5}}{3} \right] \right\}$
$\{[40, 3, 36]\}$	$x^4 + 1$	$13680577296 z^{40} + 272011478400 z^{39} + 2647381890240 z^{38}$ $+16761491902080 z^{37} + 77528017807840 z^{36} + 279124451533440 z^{35}$ $+814129479357120 z^{34} + 1977142691230080 z^{33}$ $+4077795385907280 z^{32} + 7249392788284800 z^{31}$ $+11236627722613152 z^{30} + 15322765046846400 z^{29}$ $+18515015381547360 z^{28} + 19939155194232320 z^{27}$ $+19226967408963360 z^{26} + 16663367289130560 z^{25}$ $+13018341441703680 z^{24} + 9189438654625920 z^{23}$ $+5871059791146720 z^{22} + 3398965287292800 z^{21}$	$\left\{ \left[\frac{80}{3}, \frac{4\sqrt{5}}{3} \right] \right\}$

		$+1784476545872184 z^{20} + 849710924157600 z^{19} + 366962683717680 z^{18}$ $+143574224297760 z^{17} + 50869357431480 z^{16} + 16265227380480 z^{15}$ $+4697592999840 z^{14} + 1213815447360 z^{13} + 283365059760 z^{12}$ $+58004575200 z^{11} + 10941124968 z^{10} + 1710122000 z^9 + 272078280 z^8$ $+29698560 z^7 + 4640880 z^6 + 269280 z^5 + 53640 z^4 + 960 z^3 + 360 z^2 + 1$	
$\{[40, 3, 36]\}$	$x^4 + x^2 + 2x + 1$	$13574250496 z^{40} + 271483822080 z^{39} + 2646976276480 z^{38}$ $+16764142571520 z^{37} + 77534277299200 z^{36} + 279123172537344 z^{35}$ $+814109525080320 z^{34} + 1977122944619520 z^{33}$ $+4077816220803360 z^{32} + 7249450573747040 z^{31}$ $+11236649476166472 z^{30} + 15322702718615600 z^{29}$ $+18514932460104600 z^{28} + 19939159366972160 z^{27}$ $+19227045123875880 z^{26} + 16663439282758992 z^{25}$ $+13018312780503840 z^{24} + 9189396575871840 z^{23}$ $+5871003364013640 z^{22} + 3399002226336240 z^{21}$ $+1784476040733960 z^{20} + 849750482672640 z^{19} + 366937730249640 z^{18}$ $+143584318337040 z^{17} + 50852793201840 z^{16} + 16272889010208 z^{15}$ $+4694096217240 z^{14} + 1216992817040 z^{13} + 282516840360 z^{12}$ $+58450188800 z^{11} + 10716069432 z^{10} + 1728662000 z^9 + 243019200 z^8$ $+29433120 z^7 + 3039960 z^6 + 261456 z^5 + 17560 z^4 + 960 z^3 + 40 z^2 + 1$	$\left\{ \left[\frac{80}{3}, \frac{4\sqrt{5}}{3} \right] \right\}$
$\{[40, 3, 36]\}$	$x^4 + x^2 + x + 1$	$13574250496 z^{40} + 271483822080 z^{39} + 2646976276480 z^{38}$ $+16764142571520 z^{37} + 77534277299200 z^{36} + 279123172537344 z^{35}$ $+814109525080320 z^{34} + 1977122944619520 z^{33}$ $+4077816220803360 z^{32} + 7249450573747040 z^{31}$ $+11236649476166472 z^{30} + 15322702718615600 z^{29}$ $+18514932460104600 z^{28} + 19939159366972160 z^{27}$ $+19227045123875880 z^{26} + 16663439282758992 z^{25}$ $+13018312780503840 z^{24} + 9189396575871840 z^{23}$ $+5871003364013640 z^{22} + 3399002226336240 z^{21}$ $+1784476040733960 z^{20} + 849750482672640 z^{19} + 366937730249640 z^{18}$ $+143584318337040 z^{17} + 50852793201840 z^{16} + 16272889010208 z^{15}$ $+4694096217240 z^{14} + 1216992817040 z^{13} + 282516840360 z^{12}$	$\left\{ \left[\frac{80}{3}, \frac{4\sqrt{5}}{3} \right] \right\}$

		$+58450188800 z^{11} + 10716069432 z^{10} + 1728662000 z^9 + 243019200 z^8$ $+ 29433120 z^7 + 3039960 z^6 + 261456 z^5 + 17560 z^4 + 960 z^3 + 40 z^2 + 1$	
$\{[40, 3, 36]\}$	$x^4 + 2x^3 + x^2 + 2x + 1$	$13578376426 z^{40} + 271467520880 z^{39} + 2646961890040 z^{38}$ $+ 16764271057680 z^{37} + 77534238675820 z^{36} + 279122772819984 z^{35}$ $+ 814109647212120 z^{34} + 1977124020995280 z^{33}$ $+ 4077815850357600 z^{32} + 7249448538460160 z^{31}$ $+ 11236650265908352 z^{30} + 15322704779079680 z^{29}$ $+ 18514933697947680 z^{28} + 19939153839785600 z^{27}$ $+ 19227047887056960 z^{26} + 16663437856478592 z^{25}$ $+ 13018320430471440 z^{24} + 9189384138552960 z^{23}$ $+ 5871016557672000 z^{22} + 3398986496196480 z^{21}$ $+ 1784494074118560 z^{20} + 849734069592960 z^{19} + 366951212548800 z^{18}$ $+ 143573388583680 z^{17} + 50860683104040 z^{16} + 16267969081728 z^{15}$ $+ 4696951654080 z^{14} + 1215478436480 z^{13} + 283201508320 z^{12}$ $+ 58171591040 z^{11} + 10822752192 z^{10} + 1694524160 z^9 + 252241230 z^8$ $+ 27016080 z^7 + 3501960 z^6 + 193776 z^5 + 33460 z^4 + 560 z^3 + 280 z^2 + 1$	$\left\{ \left[\frac{80}{3}, \frac{4\sqrt{5}}{3} \right] \right\}$
$\{[40, 3, 36]\}$	$x^4 + 2x^3 + x^2 + x + 1$	$13574463684 z^{40} + 271481987680 z^{39} + 2646980376880 z^{38}$ $+ 16764154686240 z^{37} + 77534190166360 z^{36} + 279123364410096 z^{35}$ $+ 814109389745280 z^{34} + 1977122776566480 z^{33}$ $+ 4077816476776740 z^{32} + 7249450985019360 z^{31}$ $+ 11236648204643048 z^{30} + 15322703837997680 z^{29}$ $+ 18514932306217560 z^{28} + 19939159173732800 z^{27}$ $+ 19227044958663240 z^{26} + 16663439066040432 z^{25}$ $+ 13018314646022400 z^{24} + 9189392627138400 z^{23}$ $+ 5871009160744200 z^{22} + 3398995148614800 z^{21}$ $+ 1784483407373820 z^{20} + 849743812746000 z^{19} + 366943255778400 z^{18}$ $+ 143580018952800 z^{17} + 50855859432900 z^{16} + 16270928748000 z^{15}$ $+ 4695232527000 z^{14} + 1216391250000 z^{13} + 282799502000 z^{12}$ $+ 58335212000 z^{11} + 10757461800 z^{10} + 1715178800 z^9 + 246768900 z^8$ $+ 28588800 z^7 + 3217800 z^6 + 222480 z^5 + 23940 z^4 + 160 z^3 + 160 z^2 + 1$	$\left\{ \left[\frac{80}{3}, \frac{4\sqrt{5}}{3} \right] \right\}$
		$13574250496 z^{40} + 271483822080 z^{39} + 2646976276480 z^{38}$	

$\{[40, 3, 36]\}$	$x^4 + 2x^3 + x^2 + 1$	$+16764142571520 z^{37} + 77534277299200 z^{36} + 279123172537344 z^{35}$ $+814109525080320 z^{34} + 1977122944619520 z^{33}$ $+4077816220803360 z^{32} + 7249450573747040 z^{31}$ $+11236649476166472 z^{30} + 15322702718615600 z^{29}$ $+18514932460104600 z^{28} + 19939159366972160 z^{27}$ $+19227045123875880 z^{26} + 16663439282758992 z^{25}$ $+13018312780503840 z^{24} + 9189396575871840 z^{23}$ $+5871003364013640 z^{22} + 3399002226336240 z^{21}$ $+1784476040733960 z^{20} + 849750482672640 z^{19} + 366937730249640 z^{18}$ $+143584318337040 z^{17} + 50852793201840 z^{16} + 16272889010208 z^{15}$ $+4694096217240 z^{14} + 1216992817040 z^{13} + 282516840360 z^{12}$ $+58450188800 z^{11} + 10716069432 z^{10} + 1728662000 z^9 + 243019200 z^8$ $+29433120 z^7 + 3039960 z^6 + 261456 z^5 + 17560 z^4 + 960 z^3 + 40 z^2 + 1$	$\left\{ \left[\frac{80}{3}, \frac{4\sqrt{5}}{3} \right] \right\}$
$\{[40, 3, 36]\}$	$x^4 + 2x^3 + x + 1$	$13574266176 z^{40} + 271483575680 z^{39} + 2646977973600 z^{38}$ $+16764136123680 z^{37} + 77534290205140 z^{36} + 279123170133744 z^{35}$ $+814109460819480 z^{34} + 1977123144185040 z^{33}$ $+4077815914091700 z^{32} + 7249450763829120 z^{31}$ $+11236649748313792 z^{30} + 15322701723233280 z^{29}$ $+18514934269808400 z^{28} + 19939156749780800 z^{27}$ $+19227048394759200 z^{26} + 16663435833678912 z^{25}$ $+13018315722358860 z^{24} + 9189394596488160 z^{23}$ $+5871004373392560 z^{22} + 3399001971483360 z^{21}$ $+1784475761579280 z^{20} + 849751028026560 z^{19} + 366937241141760 z^{18}$ $+143584553482560 z^{17} + 50852780925660 z^{16} + 16272820381248 z^{15}$ $+4694149510560 z^{14} + 1216972357440 z^{13} + 282519485920 z^{12}$ $+58452420480 z^{11} + 10714061952 z^{10} + 1729544960 z^9 + 242817300 z^8$ $+29426400 z^7 + 3066000 z^6 + 248256 z^5 + 21900 z^4 + 80 z^3 + 120 z^2 + 1$	$\left\{ \left[\frac{80}{3}, \frac{4\sqrt{5}}{3} \right] \right\}$
		$13574463684 z^{40} + 271481987680 z^{39} + 2646980376880 z^{38}$ $+16764154686240 z^{37} + 77534190166360 z^{36} + 279123364410096 z^{35}$ $+814109389745280 z^{34} + 1977122776566480 z^{33}$ $+4077816476776740 z^{32} + 7249450985019360 z^{31}$	

$\{[40, 3, 36]\}$	$x^4 + 2x^3 + 2x + 2$	$+11236648204643048 z^{30} + 15322703837997680 z^{29}$ $+18514932306217560 z^{28} + 19939159173732800 z^{27}$ $+19227044958663240 z^{26} + 16663439066040432 z^{25}$ $+13018314646022400 z^{24} + 9189392627138400 z^{23}$ $+5871009160744200 z^{22} + 3398995148614800 z^{21}$ $+1784483407373820 z^{20} + 849743812746000 z^{19} + 366943255778400 z^{18}$ $+143580018952800 z^{17} + 50855859432900 z^{16} + 16270928748000 z^{15}$ $+4695232527000 z^{14} + 1216391250000 z^{13} + 282799502000 z^{12}$ $+58335212000 z^{11} + 10757461800 z^{10} + 1715178800 z^9 + 246768900 z^8$ $+28588800 z^7 + 3217800 z^6 + 222480 z^5 + 23940 z^4 + 160 z^3 + 160 z^2 + 1$	$\left\{ \left[\frac{80}{3}, \frac{4\sqrt{5}}{3} \right] \right\}$
$\{[40, 3, 36]\}$	$x^4 + x^3 + x^2 + x + 1$	$13578376426 z^{40} + 271467520880 z^{39} + 2646961890040 z^{38}$ $+16764271057680 z^{37} + 77534238675820 z^{36} + 279122772819984 z^{35}$ $+814109647212120 z^{34} + 1977124020995280 z^{33}$ $+4077815850357600 z^{32} + 7249448538460160 z^{31}$ $+11236650265908352 z^{30} + 15322704779079680 z^{29}$ $+18514933697947680 z^{28} + 19939153839785600 z^{27}$ $+19227047887056960 z^{26} + 16663437856478592 z^{25}$ $+13018320430471440 z^{24} + 9189384138552960 z^{23}$ $+5871016557672000 z^{22} + 3398986496196480 z^{21}$ $+1784494074118560 z^{20} + 849734069592960 z^{19} + 366951212548800 z^{18}$ $+143573388583680 z^{17} + 50860683104040 z^{16} + 16267969081728 z^{15}$ $+4696951654080 z^{14} + 1215478436480 z^{13} + 283201508320 z^{12}$ $+58171591040 z^{11} + 10822752192 z^{10} + 1694524160 z^9 + 252241230 z^8$ $+27016080 z^7 + 3501960 z^6 + 193776 z^5 + 33460 z^4 + 560 z^3 + 280 z^2 + 1$	$\left\{ \left[\frac{80}{3}, \frac{4\sqrt{5}}{3} \right] \right\}$
		$13574250496 z^{40} + 271483822080 z^{39} + 2646976276480 z^{38}$ $+16764142571520 z^{37} + 77534277299200 z^{36} + 279123172537344 z^{35}$ $+814109525080320 z^{34} + 1977122944619520 z^{33}$ $+4077816220803360 z^{32} + 7249450573747040 z^{31}$ $+11236649476166472 z^{30} + 15322702718615600 z^{29}$ $+18514932460104600 z^{28} + 19939159366972160 z^{27}$ $+19227045123875880 z^{26} + 16663439282758992 z^{25}$	

$\{[40, 3, 36]\}$	$x^4+x^3+x^2+1$	$+13018312780503840 z^{24}+9189396575871840 z^{23}$ $+5871003364013640 z^{22}+3399002226336240 z^{21}$ $+1784476040733960 z^{20}+849750482672640 z^{19}+366937730249640 z^{18}$ $+143584318337040 z^{17}+50852793201840 z^{16}+16272889010208 z^{15}$ $+4694096217240 z^{14}+1216992817040 z^{13}+282516840360 z^{12}$ $+58450188800 z^{11}+10716069432 z^{10}+1728662000 z^9+243019200 z^8$ $+29433120 z^7+3039960 z^6+261456 z^5+17560 z^4+960 z^3+40 z^2+1$	$\left\{ \left[\frac{80}{3}, \frac{4\sqrt{5}}{3} \right] \right\}$
$\{[40, 3, 36]\}$	$x^4+x^3+x^2+2x+1$	$13574463684 z^{40}+271481987680 z^{39}+2646980376880 z^{38}$ $+16764154686240 z^{37}+77534190166360 z^{36}+279123364410096 z^{35}$ $+814109389745280 z^{34}+1977122776566480 z^{33}$ $+4077816476776740 z^{32}+7249450985019360 z^{31}$ $+11236648204643048 z^{30}+15322703837997680 z^{29}$ $+18514932306217560 z^{28}+19939159173732800 z^{27}$ $+19227044958663240 z^{26}+16663439066040432 z^{25}$ $+13018314646022400 z^{24}+9189392627138400 z^{23}$ $+5871009160744200 z^{22}+3398995148614800 z^{21}$ $+1784483407373820 z^{20}+849743812746000 z^{19}+366943255778400 z^{18}$ $+143580018952800 z^{17}+50855859432900 z^{16}+16270928748000 z^{15}$ $+4695232527000 z^{14}+1216391250000 z^{13}+282799502000 z^{12}$ $+58335212000 z^{11}+10757461800 z^{10}+1715178800 z^9+246768900 z^8$ $+28588800 z^7+3217800 z^6+222480 z^5+23940 z^4+160 z^3+160 z^2+1$	$\left\{ \left[\frac{80}{3}, \frac{4\sqrt{5}}{3} \right] \right\}$
$\{[40, 3, 36]\}$	x^4+x^3+2x+1	$13574266176 z^{40}+271483575680 z^{39}+2646977973600 z^{38}$ $+16764136123680 z^{37}+77534290205140 z^{36}+279123170133744 z^{35}$ $+814109460819480 z^{34}+1977123144185040 z^{33}$ $+4077815914091700 z^{32}+7249450763829120 z^{31}$ $+11236649748313792 z^{30}+15322701723233280 z^{29}$ $+18514934269808400 z^{28}+19939156749780800 z^{27}$ $+19227048394759200 z^{26}+16663435833678912 z^{25}$ $+13018315722358860 z^{24}+9189394596488160 z^{23}$ $+5871004373392560 z^{22}+3399001971483360 z^{21}$	$\left\{ \left[\frac{80}{3}, \frac{4\sqrt{5}}{3} \right] \right\}$

		$+1784475761579280 z^{20} + 849751028026560 z^{19} + 366937241141760 z^{18}$ $+143584553482560 z^{17} + 50852780925660 z^{16} + 16272820381248 z^{15}$ $+4694149510560 z^{14} + 1216972357440 z^{13} + 282519485920 z^{12}$ $+58452420480 z^{11} + 10714061952 z^{10} + 1729544960 z^9 + 242817300 z^8$ $+29426400 z^7 + 3066000 z^6 + 248256 z^5 + 21900 z^4 + 80 z^3 + 120 z^2 + 1$	
$\{[40, 3, 36]\}$	$x^4 + x^3 + x + 2$	$13574463684 z^{40} + 271481987680 z^{39} + 2646980376880 z^{38}$ $+16764154686240 z^{37} + 77534190166360 z^{36} + 279123364410096 z^{35}$ $+814109389745280 z^{34} + 1977122776566480 z^{33}$ $+4077816476776740 z^{32} + 7249450985019360 z^{31}$ $+11236648204643048 z^{30} + 15322703837997680 z^{29}$ $+18514932306217560 z^{28} + 19939159173732800 z^{27}$ $+19227044958663240 z^{26} + 16663439066040432 z^{25}$ $+13018314646022400 z^{24} + 9189392627138400 z^{23}$ $+5871009160744200 z^{22} + 3398995148614800 z^{21}$ $+1784483407373820 z^{20} + 849743812746000 z^{19} + 366943255778400 z^{18}$ $+143580018952800 z^{17} + 50855859432900 z^{16} + 16270928748000 z^{15}$ $+4695232527000 z^{14} + 1216391250000 z^{13} + 282799502000 z^{12}$ $+58335212000 z^{11} + 10757461800 z^{10} + 1715178800 z^9 + 246768900 z^8$ $+28588800 z^7 + 3217800 z^6 + 222480 z^5 + 23940 z^4 + 160 z^3 + 160 z^2 + 1$	$\left\{ \left[\frac{80}{3}, \frac{4\sqrt{5}}{3} \right] \right\}$
$\{[42, 3, 38]\}$	$x^4 + x^2 + 1$	$54336542404 z^{42} + 1140235216344 z^{41} + 11686980933684 z^{40}$ $+77915867613472 z^{39} + 379842622537896 z^{38} + 1443395294438832 z^{37}$ $+4450459367227384 z^{36} + 11444046796956312 z^{35}$ $+25033876160007708 z^{34} + 47286208605907712 z^{33}$ $+78022203255326988 z^{32} + 113486831503416000 z^{31}$ $+146587190577613520 z^{30} + 169139105008244784 z^{29}$ $+175179766413348900 z^{28} + 163501068766851536 z^{27}$ $+137954033854445088 z^{26} + 105494270657498352 z^{25}$ $+73259956512515220 z^{24} + 46269400823593920 z^{23}$ $+26604929837486952 z^{22} + 13935874201986804 z^{21}$ $+6651255536251704 z^{20} + 2891821426973640 z^{19}$ $+1144705210706400 z^{18} + 412073281244772 z^{17} + 134728001477496 z^{16}$	$\left\{ \left[28, \frac{2\sqrt{21}}{3} \right] \right\}$

		$+39912221054720 z^{15} + 10694937668940 z^{14} + 2579749811856 z^{13}$ $+559750046072 z^{12} + 107997520176 z^{11} + 18661317192 z^{10}$ $+2792807528 z^9 + 379367604 z^8 + 41985216 z^7 + 4645732 z^6 + 361116 z^5$ $+40068 z^4 + 1792 z^3 + 252 z^2 + 1$	
$\{[42, 3, 38]\}$	$x^4 + 2x^3 + x + 2$	$54316347626 z^{42} + 1140238477980 z^{41} + 11687176676994 z^{40}$ $+77915956148688 z^{39} + 379841627771172 z^{38} + 1443394500202872 z^{37}$ $+4450462400675788 z^{36} + 11444050012896396 z^{35}$ $+25033870662396246 z^{34} + 47286199813577200 z^{33}$ $+78022209964002318 z^{32} + 113486844806330016 z^{31}$ $+146587191743725824 z^{30} + 169139084252851440 z^{29}$ $+175179764384237556 z^{28} + 163501073713584320 z^{27}$ $+137954058593918364 z^{26} + 105494248831244616 z^{25}$ $+73259970539659680 z^{24} + 46269365122703520 z^{23}$ $+26604973460599128 z^{22} + 13935838496335056 z^{21}$ $+6651293059130076 z^{20} + 2891785796134200 z^{19}$ $+1144730593717620 z^{18} + 412055032610592 z^{17} + 134740835542152 z^{16}$ $+39904988700304 z^{15} + 10698745253238 z^{14} + 2577783693324 z^{13}$ $+560562103374 z^{12} + 107690933448 z^{11} + 18776495808 z^{10}$ $+2761512992 z^9 + 387924768 z^8 + 39663792 z^7 + 4908470 z^6 + 262332 z^5$ $+42126 z^4 + 420 z^3 + 252 z^2 + 1$	$\left\{ \left[28, \frac{2\sqrt{21}}{3} \right] \right\}$
$\{[42, 3, 38]\}$	$x^4 + x^3 + 2x + 2$	$54316347626 z^{42} + 1140238477980 z^{41} + 11687176676994 z^{40}$ $+77915956148688 z^{39} + 379841627771172 z^{38} + 1443394500202872 z^{37}$ $+4450462400675788 z^{36} + 11444050012896396 z^{35}$ $+25033870662396246 z^{34} + 47286199813577200 z^{33}$ $+78022209964002318 z^{32} + 113486844806330016 z^{31}$ $+146587191743725824 z^{30} + 169139084252851440 z^{29}$ $+175179764384237556 z^{28} + 163501073713584320 z^{27}$ $+137954058593918364 z^{26} + 105494248831244616 z^{25}$ $+73259970539659680 z^{24} + 46269365122703520 z^{23}$ $+26604973460599128 z^{22} + 13935838496335056 z^{21}$ $+6651293059130076 z^{20} + 2891785796134200 z^{19}$	$\left\{ \left[28, \frac{2\sqrt{21}}{3} \right] \right\}$

		$+1144730593717620 z^{18} + 412055032610592 z^{17} + 134740835542152 z^{16}$ $+ 39904988700304 z^{15} + 10698745253238 z^{14} + 2577783693324 z^{13}$ $+ 560562103374 z^{12} + 107690933448 z^{11} + 18776495808 z^{10}$ $+ 2761512992 z^9 + 387924768 z^8 + 39663792 z^7 + 4908470 z^6 + 262332 z^5$ $+ 42126 z^4 + 420 z^3 + 252 z^2 + 1$	
$\{[44, 3, 40]\}$	$x^4 + 2$	$216340335376 z^{44} + 4773444819264 z^{43} + 51360231170336 z^{42}$ $+ 359577113907264 z^{41} + 1842778851094896 z^{40}$ $+ 7370857395758208 z^{39} + 23955061673411264 z^{38}$ $+ 65021198711382144 z^{37} + 150362350703599408 z^{36}$ $+ 300725053309841600 z^{35} + 526267879668219744 z^{34}$ $+ 813321640059063520 z^{33} + 1118317093813019760 z^{32}$ $+ 1376391782092901376 z^{31} + 1523863923456306432 z^{30}$ $+ 1523863726156532992 z^{29} + 1381000154397630624 z^{28}$ $+ 1137292932313307264 z^{27} + 852970188650154432 z^{26}$ $+ 583611659440634880 z^{25} + 364758382159539456 z^{24}$ $+ 208432695317150304 z^{23} + 108953732459110968 z^{22}$ $+ 52107486586225488 z^{21} + 22797534128830824 z^{20}$ $+ 9118677869991360 z^{19} + 3332192600507496 z^{18}$ $+ 1110544045200656 z^{17} + 337244978341656 z^{16} + 92954790871360 z^{15}$ $+ 23267851535280 z^{14} + 5237726593440 z^{13} + 1070573696016 z^{12}$ $+ 192823395688 z^{11} + 32154003288 z^{10} + 4464821240 z^9 + 632944840 z^8$ $+ 61910640 z^7 + 8631656 z^6 + 454080 z^5 + 80520 z^4 + 1320 z^3 + 440 z^2 + 1$	$\left\{ \left[\frac{88}{3}, \frac{2\sqrt{22}}{3} \right] \right\}$
		$434295454328 z^{45} + 9773436090600 z^{44} + 107508704697360 z^{43}$ $+ 770472849963120 z^{42} + 4044976593293160 z^{41}$ $+ 16584418854090360 z^{40} + 55281424533293280 z^{39}$ $+ 153998222763359520 z^{38} + 365745719585511720 z^{37}$ $+ 751810658850750200 z^{36} + 1353259294186380048 z^{35}$ $+ 2152912563588281040 z^{34} + 3049959316664081640 z^{33}$ $+ 3871102106083932720 z^{32} + 4424116774302484380 z^{31}$ $+ 4571587528964409426 z^{30} + 4285863203483763000 z^{29}$ $+ 3655589247266197230 z^{28} + 2843235759636932660 z^{27}$	

$\{[45, 3, 41]\}$	$x^4 + 2x^3 + 2x + 1$	$+2020194246799304730 z^{26} + 1313125866645793200 z^{25}$ $+781623096658039350 z^{24} + 426339220234203900 z^{23}$ $+213170203382812650 z^{22} + 97702459363665000 z^{21}$ $+41035513438602774 z^{20} + 15782531546959380 z^{19}$ $+5553364610328850 z^{18} + 1784844149516280 z^{17}$ $+523239409262430 z^{16} + 139479949911486 z^{15} + 33770188843200 z^{14}$ $+7376452009290 z^{13} + 1457160448380 z^{12} + 255614494590 z^{11}$ $+40631900400 z^{10} + 5512193050 z^9 + 703673100 z^8 + 67936050 z^7$ $+7457100 z^6 + 411390 z^5 + 52920 z^4 + 930 z^3 + 180 z^2 + 1$	$\{[30, \sqrt{10}]\}$
$\{[45, 3, 41]\}$	$x^4 + x^3 + x^2 + x + 1$	$434408039702 z^{45} + 9773288719650 z^{44} + 107507719663380 z^{43}$ $+770473817344140 z^{42} + 4044980496868290 z^{41}$ $+16584418048327254 z^{40} + 55281411707718360 z^{39}$ $+153998221419422280 z^{38} + 365745740183752590 z^{37}$ $+751810672821366500 z^{36} + 1353259287271192788 z^{35}$ $+2152912506638578560 z^{34} + 3049959312777292410 z^{33}$ $+3871102163110804800 z^{32} + 4424116832858645280 z^{31}$ $+4571587502105320896 z^{30} + 4285863083000955420 z^{29}$ $+3655589268551055660 z^{28} + 2843235804224054420 z^{27}$ $+2020194361224277380 z^{26} + 1313125744123054152 z^{25}$ $+781623128584366200 z^{24} + 426339124278075000 z^{23}$ $+213170339089301400 z^{22} + 97702378386023700 z^{21}$ $+41035583061606456 z^{20} + 15782460811078500 z^{19}$ $+5553405728355160 z^{18} + 1784820629376000 z^{17}$ $+523257146323560 z^{16} + 139471098931632 z^{15} + 33773773982400 z^{14}$ $+7374475438110 z^{13} + 1457900467170 z^{12} + 255413245320 z^{11}$ $+40726795464 z^{10} + 5490173110 z^9 + 706976730 z^8 + 65918880 z^7$ $+7474560 z^6 + 366318 z^5 + 55620 z^4 + 840 z^3 + 360 z^2 + 1$	$\{[30, \sqrt{10}]\}$
		$3481791793936 z^{48} + 83440656051456 z^{47} + 980001106280064 z^{46}$ $+7512748580640512 z^{45} + 42259672060017984 z^{44}$ $+185945331760784640 z^{43} + 666306906514170240 z^{42}$	

$\{[48, 3, 44]\}$	x^4+2	$ \begin{aligned} &+1998917447677007616 z^{41}+5122215569721846816 z^{40} \\ &+11382695570449553152 z^{39}+22196268724119270528 z^{38} \\ &+38339031511757002752 z^{37}+59106011095710275168 z^{36} \\ &+81839067554925850752 z^{35}+102298806872797220928 z^{34} \\ &+115938649277584197504 z^{33}+119561761583323049232 z^{32} \\ &+112528738655013441024 z^{31}+96899744519020132096 z^{30} \\ &+76499773015110551040 z^{29}+55462326365458400256 z^{28} \\ &+36974880962488240640 z^{27}+22689150692015313792 z^{26} \\ &+12824299962569208960 z^{25}+6679331616053426904 z^{24} \\ &+3206066244073665984 z^{23}+1418073512431267296 z^{22} \\ &+577726865201085248 z^{21}+216653298813139056 z^{20} \\ &+74705220525165120 z^{19}+23658996915933280 z^{18} \\ &+6867426599440704 z^{17}+1824740901765144 z^{16} \\ &+441992088244608 z^{15}+97630399798272 z^{14}+19471161302208 z^{13} \\ &+3539783553512 z^{12}+569261650848 z^{11}+85069738512 z^{10} \\ &+10627039456 z^9+1358362368 z^8+120358656 z^7+15147264 z^6 \\ &+728640 z^5+116424 z^4+1760 z^3+528 z^2+1 \end{aligned} $	$\left\{\left[32, \frac{4\sqrt{6}}{3}\right]\right\}$
$\{[48, 3, 44]\}$	x^4+1	$ \begin{aligned} &3481791793936 z^{48}+83440656051456 z^{47}+980001106280064 z^{46} \\ &+7512748580640512 z^{45}+42259672060017984 z^{44} \\ &+185945331760784640 z^{43}+666306906514170240 z^{42} \\ &+1998917447677007616 z^{41}+5122215569721846816 z^{40} \\ &+11382695570449553152 z^{39}+22196268724119270528 z^{38} \\ &+38339031511757002752 z^{37}+59106011095710275168 z^{36} \\ &+81839067554925850752 z^{35}+102298806872797220928 z^{34} \\ &+115938649277584197504 z^{33}+119561761583323049232 z^{32} \\ &+112528738655013441024 z^{31}+96899744519020132096 z^{30} \\ &+76499773015110551040 z^{29}+55462326365458400256 z^{28} \\ &+36974880962488240640 z^{27}+22689150692015313792 z^{26} \\ &+12824299962569208960 z^{25}+6679331616053426904 z^{24} \\ &+3206066244073665984 z^{23}+1418073512431267296 z^{22} \\ &+577726865201085248 z^{21}+216653298813139056 z^{20} \end{aligned} $	$\left\{\left[32, \frac{4\sqrt{6}}{3}\right]\right\}$

		$+74705220525165120 z^{19} + 23658996915933280 z^{18}$ $+6867426599440704 z^{17} + 1824740901765144 z^{16}$ $+441992088244608 z^{15} + 97630399798272 z^{14} + 19471161302208 z^{13}$ $+3539783553512 z^{12} + 569261650848 z^{11} + 85069738512 z^{10}$ $+10627039456 z^9 + 1358362368 z^8 + 120358656 z^7 + 15147264 z^6$ $+728640 z^5 + 116424 z^4 + 1760 z^3 + 528 z^2 + 1$	
$\{[48, 3, 44]\}$	$x^4 + 2x^2 + 1$	$3475636861636 z^{48} + 83399982455616 z^{47} + 979942338557856 z^{46}$ $+7512946682580416 z^{45} + 42260383449063504 z^{44}$ $+185945525281348416 z^{43} + 666304554210447072 z^{42}$ $+1998913938412090176 z^{41} + 5122217690906653728 z^{40}$ $+11382705733466758912 z^{39} + 22196274838497212928 z^{38}$ $+38339019833963740416 z^{37} + 59105990765164602080 z^{36}$ $+81839065291540905600 z^{35} + 102298830415192600128 z^{34}$ $+115938671993628385920 z^{33} + 119561756198596503192 z^{32}$ $+112528713485490400512 z^{31} + 96899726778719125120 z^{30}$ $+76499782260863804160 z^{29} + 55462342108651821504 z^{28}$ $+36974893378646633984 z^{27} + 22689141973059971520 z^{26}$ $+12824295617671733952 z^{25} + 6679322752095715284 z^{24}$ $+3206072324290540320 z^{23} + 1418072475038843664 z^{22}$ $+577731693425855840 z^{21} + 216650677515991464 z^{20}$ $+74706268360237920 z^{19} + 23657503647271696 z^{18}$ $+6867983159833824 z^{17} + 1824477203303244 z^{16}$ $+442219699758912 z^{15} + 97585305283872 z^{14} + 19502731675584 z^{13}$ $+3526220847152 z^{12} + 570026661312 z^{11} + 82971662688 z^{10}$ $+10519092736 z^9 + 1217079540 z^8 + 115486560 z^7 + 11018928 z^6$ $+739872 z^5 + 71064 z^4 + 2720 z^3 + 336 z^2 + 1$	$\left\{ \left[32, \frac{4\sqrt{6}}{3} \right] \right\}$
		$3475211812864 z^{48} + 83399356710912 z^{47} + 979948170510336 z^{46}$ $+7512955516485632 z^{45} + 42260348090695680 z^{44}$ $+185945467480178688 z^{43} + 666304673549795328 z^{42}$ $+1998914179012411392 z^{41} + 5122217451342412800 z^{40}$ $+11382705038281492480 z^{39} + 22196275109738752512 z^{38}$	

$\{[48, 3, 44]\}$	$x^4 + 2x^2 + 2$	$+38339021166547926528 z^{37} + 59105990908763388992 z^{36}$ $+81839063463696071424 z^{35} + 102298829191105322880 z^{34}$ $+115938674098741923072 z^{33} + 119561757918897070656 z^{32}$ $+112528712653976475648 z^{31} + 96899724315759963136 z^{30}$ $+76499782631600148480 z^{29} + 55462342948507249920 z^{28}$ $+36974895261760332800 z^{27} + 22689139910573781504 z^{26}$ $+12824296403132943360 z^{25} + 6679321182712915200 z^{24}$ $+3206074248530850816 z^{23} + 1418071285148334336 z^{22}$ $+577732699445888000 z^{21} + 216649749268127040 z^{20}$ $+74706824144001600 z^{19} + 23657169640866640 z^{18}$ $+6868209514824864 z^{17} + 1824365858832144 z^{16}$ $+442269716061696 z^{15} + 97559623978560 z^{14} + 19512192705408 z^{13}$ $+3523118442944 z^{12} + 571298174592 z^{11} + 82670251104 z^{10}$ $+10594087360 z^9 + 1191545568 z^8 + 116702208 z^7 + 9975360 z^6$ $+754560 z^5 + 51840 z^4 + 3776 z^3 + 240 z^2 + 1$	$\left\{ \left[32, \frac{4\sqrt{6}}{3} \right] \right\}$
$\{[48, 3, 44]\}$	$x^4 + 2x^2 + 2x + 2$	$3474999808354 z^{48} + 83399990951328 z^{47} + 979949941413840 z^{46}$ $+7512949232915168 z^{45} + 42260340898382760 z^{44}$ $+185945495062891680 z^{43} + 666304702715787312 z^{42}$ $+1998914086417102560 z^{41} + 5122217372975170884 z^{40}$ $+11382705257436446560 z^{39} + 22196275240572523824 z^{38}$ $+38339020905440974560 z^{37} + 59105990535518481680 z^{36}$ $+81839063801004431040 z^{35} + 102298829814049700160 z^{34}$ $+115938673715221344384 z^{33} + 119561757338077264476 z^{32}$ $+112528712676356115264 z^{31} + 96899725049515051408 z^{30}$ $+76499782491332519520 z^{29} + 55462342956508795824 z^{28}$ $+36974894466195450368 z^{27} + 22689140789366665488 z^{26}$ $+12824295834935200032 z^{25} + 6679321939414450800 z^{24}$ $+3206073379017844800 z^{23} + 1418071935722851728 z^{22}$ $+577732184758111328 z^{21} + 216650187509273760 z^{20}$ $+74706534280128960 z^{19} + 23657340239331568 z^{18}$ $+6868102594335840 z^{17} + 1824423265531746 z^{16}$	$\left\{ \left[32, \frac{4\sqrt{6}}{3} \right] \right\}$

		$+442244005350432 z^{15} + 97571670599520 z^{14} + 19507178544192 z^{13}$ $+3524715090344 z^{12} + 570739347552 z^{11} + 82848356352 z^{10}$ $+10559466880 z^9 + 1202022108 z^8 + 114537312 z^7 + 9989760 z^6$ $+634176 z^5 + 43920 z^4 + 1280 z^3 + 48 z^2 + 1$	
$\{[48, 3, 44]\}$	$x^4 + 2x^2 + x + 2$	$3474999808354 z^{48} + 83399990951328 z^{47} + 979949941413840 z^{46}$ $+7512949232915168 z^{45} + 42260340898382760 z^{44}$ $+185945495062891680 z^{43} + 666304702715787312 z^{42}$ $+1998914086417102560 z^{41} + 5122217372975170884 z^{40}$ $+11382705257436446560 z^{39} + 22196275240572523824 z^{38}$ $+38339020905440974560 z^{37} + 59105990535518481680 z^{36}$ $+81839063801004431040 z^{35} + 102298829814049700160 z^{34}$ $+115938673715221344384 z^{33} + 119561757338077264476 z^{32}$ $+112528712676356115264 z^{31} + 96899725049515051408 z^{30}$ $+76499782491332519520 z^{29} + 55462342956508795824 z^{28}$ $+36974894466195450368 z^{27} + 22689140789366665488 z^{26}$ $+12824295834935200032 z^{25} + 6679321939414450800 z^{24}$ $+3206073379017844800 z^{23} + 1418071935722851728 z^{22}$ $+577732184758111328 z^{21} + 216650187509273760 z^{20}$ $+74706534280128960 z^{19} + 23657340239331568 z^{18}$ $+6868102594335840 z^{17} + 1824423265531746 z^{16}$ $+442244005350432 z^{15} + 97571670599520 z^{14} + 19507178544192 z^{13}$ $+3524715090344 z^{12} + 570739347552 z^{11} + 82848356352 z^{10}$ $+10559466880 z^9 + 1202022108 z^8 + 114537312 z^7 + 9989760 z^6$ $+634176 z^5 + 43920 z^4 + 1280 z^3 + 48 z^2 + 1$	$\left\{ \left[32, \frac{4\sqrt{6}}{3} \right] \right\}$
		$3475636861636 z^{48} + 83399982455616 z^{47} + 979942338557856 z^{46}$ $+7512946682580416 z^{45} + 42260383449063504 z^{44}$ $+185945525281348416 z^{43} + 666304554210447072 z^{42}$ $+1998913938412090176 z^{41} + 5122217690906653728 z^{40}$ $+11382705733466758912 z^{39} + 22196274838497212928 z^{38}$ $+38339019833963740416 z^{37} + 59105990765164602080 z^{36}$ $+81839065291540905600 z^{35} + 102298830415192600128 z^{34}$	

$\{[48, 3, 44]\}$	$x^4 + x^2 + 1$	$ \begin{aligned} &+115938671993628385920 z^{33} + 119561756198596503192 z^{32} \\ &+112528713485490400512 z^{31} + 96899726778719125120 z^{30} \\ &+76499782260863804160 z^{29} + 55462342108651821504 z^{28} \\ &+36974893378646633984 z^{27} + 22689141973059971520 z^{26} \\ &+12824295617671733952 z^{25} + 6679322752095715284 z^{24} \\ &+3206072324290540320 z^{23} + 1418072475038843664 z^{22} \\ &+577731693425855840 z^{21} + 216650677515991464 z^{20} \\ &+74706268360237920 z^{19} + 23657503647271696 z^{18} \\ &+6867983159833824 z^{17} + 1824477203303244 z^{16} \\ &+442219699758912 z^{15} + 97585305283872 z^{14} + 19502731675584 z^{13} \\ &+3526220847152 z^{12} + 570026661312 z^{11} + 82971662688 z^{10} \\ &+10519092736 z^9 + 1217079540 z^8 + 115486560 z^7 + 11018928 z^6 \\ &+739872 z^5 + 71064 z^4 + 2720 z^3 + 336 z^2 + 1 \end{aligned} $	$\left\{ \left[32, \frac{4\sqrt{6}}{3} \right] \right\}$
$\{[48, 3, 44]\}$	$x^4 + x^2 + 2$	$ \begin{aligned} &3475211812864 z^{48} + 83399356710912 z^{47} + 979948170510336 z^{46} \\ &+7512955516485632 z^{45} + 42260348090695680 z^{44} \\ &+185945467480178688 z^{43} + 666304673549795328 z^{42} \\ &+1998914179012411392 z^{41} + 5122217451342412800 z^{40} \\ &+11382705038281492480 z^{39} + 22196275109738752512 z^{38} \\ &+38339021166547926528 z^{37} + 59105990908763388992 z^{36} \\ &+81839063463696071424 z^{35} + 102298829191105322880 z^{34} \\ &+115938674098741923072 z^{33} + 119561757918897070656 z^{32} \\ &+112528712653976475648 z^{31} + 96899724315759963136 z^{30} \\ &+76499782631600148480 z^{29} + 55462342948507249920 z^{28} \\ &+36974895261760332800 z^{27} + 22689139910573781504 z^{26} \\ &+12824296403132943360 z^{25} + 6679321182712915200 z^{24} \\ &+3206074248530850816 z^{23} + 1418071285148334336 z^{22} \\ &+577732699445888000 z^{21} + 216649749268127040 z^{20} \\ &+74706824144001600 z^{19} + 23657169640866640 z^{18} \\ &+6868209514824864 z^{17} + 1824365858832144 z^{16} \\ &+442269716061696 z^{15} + 97559623978560 z^{14} + 19512192705408 z^{13} \\ &+3523118442944 z^{12} + 571298174592 z^{11} + 82670251104 z^{10} \end{aligned} $	$\left\{ \left[32, \frac{4\sqrt{6}}{3} \right] \right\}$

		$+10594087360 z^9 + 1191545568 z^8 + 116702208 z^7 + 9975360 z^6$ $+754560 z^5 + 51840 z^4 + 3776 z^3 + 240 z^2 + 1$	
$\{[48, 3, 44]\}$	$x^4 + 2x^3 + x^2 + x + 1$	$3475003958980 z^{48} + 83399941201728 z^{47} + 979950176275104 z^{46}$ $+7512948776990144 z^{45} + 42260340637535760 z^{44}$ $+185945498145954432 z^{43} + 666304697041271472 z^{42}$ $+1998914088621178080 z^{41} + 5122217377835155800 z^{40}$ $+11382705255961497280 z^{39} + 22196275233761520192 z^{38}$ $+38339020886653123776 z^{37} + 59105990616414450680 z^{36}$ $+81839063695006293984 z^{35} + 102298829884951776480 z^{34}$ $+115938673622783922048 z^{33} + 119561757578767699092 z^{32}$ $+112528712297859252480 z^{31} + 96899725425397538272 z^{30}$ $+76499782159192518720 z^{29} + 55462343349839665824 z^{28}$ $+36974893939001115776 z^{27} + 22689141425705173248 z^{26}$ $+12824295123349392192 z^{25} + 6679322704088126820 z^{24}$ $+3206072616980818464 z^{23} + 1418072620563461808 z^{22}$ $+577731625047434144 z^{21} + 216650607391719384 z^{20}$ $+74706246972773280 z^{19} + 23657519368859056 z^{18}$ $+6867999389700000 z^{17} + 1824478537277016 z^{16}$ $+442216943252736 z^{15} + 97583613599520 z^{14} + 19502390326464 z^{13}$ $+3526464659648 z^{12} + 570173376192 z^{11} + 83006652528 z^{10}$ $+10520046880 z^9 + 1210988484 z^8 + 112759776 z^7 + 10311024 z^6$ $+575712 z^5 + 51840 z^4 + 320 z^3 + 240 z^2 + 1$	$\left\{ \left[32, \frac{4\sqrt{6}}{3} \right] \right\}$
		$3474999808354 z^{48} + 83399990951328 z^{47} + 979949941413840 z^{46}$ $+7512949232915168 z^{45} + 42260340898382760 z^{44}$ $+185945495062891680 z^{43} + 666304702715787312 z^{42}$ $+1998914086417102560 z^{41} + 5122217372975170884 z^{40}$ $+11382705257436446560 z^{39} + 22196275240572523824 z^{38}$ $+38339020905440974560 z^{37} + 59105990535518481680 z^{36}$ $+81839063801004431040 z^{35} + 102298829814049700160 z^{34}$ $+115938673715221344384 z^{33} + 119561757338077264476 z^{32}$ $+112528712676356115264 z^{31} + 96899725049515051408 z^{30}$	

$\{[48, 3, 44]\}$	$x^4 + 2x^3 + x^2 + 2$	$+76499782491332519520 z^{29} + 55462342956508795824 z^{28}$ $+36974894466195450368 z^{27} + 22689140789366665488 z^{26}$ $+12824295834935200032 z^{25} + 6679321939414450800 z^{24}$ $+3206073379017844800 z^{23} + 1418071935722851728 z^{22}$ $+577732184758111328 z^{21} + 216650187509273760 z^{20}$ $+74706534280128960 z^{19} + 23657340239331568 z^{18}$ $+6868102594335840 z^{17} + 1824423265531746 z^{16}$ $+442244005350432 z^{15} + 97571670599520 z^{14} + 19507178544192 z^{13}$ $+3524715090344 z^{12} + 570739347552 z^{11} + 82848356352 z^{10}$ $+10559466880 z^9 + 1202022108 z^8 + 114537312 z^7 + 9989760 z^6$ $+634176 z^5 + 43920 z^4 + 1280 z^3 + 48 z^2 + 1$	$\left\{ \left[32, \frac{4\sqrt{6}}{3} \right] \right\}$
$\{[48, 3, 44]\}$	$x^4 + 2x^3 + x + 2$	$3475321201386 z^{48} + 83399952630816 z^{47} + 979946297957136 z^{46}$ $+7512947669594720 z^{45} + 42260361907764936 z^{44}$ $+185945512393056288 z^{43} + 666304624915261488 z^{42}$ $+1998914012076758304 z^{41} + 5122217538974862624 z^{40}$ $+11382705492268685568 z^{39} + 22196275027345649856 z^{38}$ $+38339020380971486976 z^{37} + 59105990669140546832 z^{36}$ $+81839064507255706560 z^{35} + 102298830145576572192 z^{34}$ $+115938672789689874432 z^{33} + 119561756970559486902 z^{32}$ $+112528712678190054720 z^{31} + 96899726547758225568 z^{30}$ $+76499781410789361600 z^{29} + 55462343969450227536 z^{28}$ $+36974891973965074496 z^{27} + 22689143756671763808 z^{26}$ $+12824293060608204096 z^{25} + 6679325128127057136 z^{24}$ $+3206070171921138048 z^{23} + 1418074573499090496 z^{22}$ $+577730012763093120 z^{21} + 216651878456275008 z^{20}$ $+74705402985711360 z^{19} + 23658053726795776 z^{18}$ $+6867676381643520 z^{17} + 1824645090935868 z^{16}$ $+442137294623808 z^{15} + 97620166337568 z^{14} + 19488296663232 z^{13}$ $+3531491097744 z^{12} + 568428696384 z^{11} + 83474570784 z^{10}$ $+10394387584 z^9 + 1242268788 z^8 + 108669792 z^7 + 11557296 z^6$ $+535584 z^5 + 74136 z^4 + 672 z^3 + 336 z^2 + 1$	$\left\{ \left[32, \frac{4\sqrt{6}}{3} \right] \right\}$

$\{[48, 3, 44]\}$	$x^4 + 2x^3 + 2x + 2$	$ \begin{aligned} &3475003958980 z^{48} + 83399941201728 z^{47} + 979950176275104 z^{46} \\ &+ 7512948776990144 z^{45} + 42260340637535760 z^{44} \\ &+ 185945498145954432 z^{43} + 666304697041271472 z^{42} \\ &+ 1998914088621178080 z^{41} + 5122217377835155800 z^{40} \\ &+ 11382705255961497280 z^{39} + 22196275233761520192 z^{38} \\ &+ 38339020886653123776 z^{37} + 59105990616414450680 z^{36} \\ &+ 81839063695006293984 z^{35} + 102298829884951776480 z^{34} \\ &+ 115938673622783922048 z^{33} + 119561757578767699092 z^{32} \\ &+ 112528712297859252480 z^{31} + 96899725425397538272 z^{30} \\ &+ 76499782159192518720 z^{29} + 55462343349839665824 z^{28} \\ &+ 36974893939001115776 z^{27} + 22689141425705173248 z^{26} \\ &+ 12824295123349392192 z^{25} + 6679322704088126820 z^{24} \\ &+ 3206072616980818464 z^{23} + 1418072620563461808 z^{22} \\ &+ 577731625047434144 z^{21} + 216650607391719384 z^{20} \\ &+ 74706246972773280 z^{19} + 23657519368859056 z^{18} \\ &+ 6867999389700000 z^{17} + 1824478537277016 z^{16} \\ &+ 442216943252736 z^{15} + 97583613599520 z^{14} + 19502390326464 z^{13} \\ &+ 3526464659648 z^{12} + 570173376192 z^{11} + 83006652528 z^{10} \\ &+ 10520046880 z^9 + 1210988484 z^8 + 112759776 z^7 + 10311024 z^6 \\ &+ 575712 z^5 + 51840 z^4 + 320 z^3 + 240 z^2 + 1 \end{aligned} $	$\left\{ \left[32, \frac{4\sqrt{6}}{3} \right] \right\}$
$\{[48, 3, 44]\}$	$x^4 + 2x^3 + 2x^2 + 2x + 1$	$ \begin{aligned} &3475002242086 z^{48} + 83399962212576 z^{47} + 979950072563568 z^{46} \\ &+ 7512949008726176 z^{45} + 42260340594072312 z^{44} \\ &+ 185945497112307168 z^{43} + 666304699635259536 z^{42} \\ &+ 1998914085464388768 z^{41} + 5122217381168216268 z^{40} \\ &+ 11382705251215576096 z^{39} + 22196275232587537680 z^{38} \\ &+ 38339020917028703520 z^{37} + 59105990544773561120 z^{36} \\ &+ 81839063775903527808 z^{35} + 102298829831510746464 z^{34} \\ &+ 115938673680573106368 z^{33} + 119561757456676484376 z^{32} \\ &+ 112528712442455638272 z^{31} + 96899725406418141568 z^{30} \\ &+ 76499781946423326720 z^{29} + 55462343781863500128 z^{28} \\ &+ 36974893344504723584 z^{27} + 22689142145710888320 z^{26} \end{aligned} $	$\left\{ \left[32, \frac{4\sqrt{6}}{3} \right] \right\}$

		$+12824294318189682624 z^{25} + 6679323528203289852 z^{24}$ $+3206071844413526880 z^{23} + 1418073290219290032 z^{22}$ $+577731085135463072 z^{21} + 216651013115333544 z^{20}$ $+74705963541660000 z^{19} + 23657701454732752 z^{18}$ $+6867893209291488 z^{17} + 1824534576405090 z^{16}$ $+442189967601120 z^{15} + 97595489352816 z^{14} + 19497659806368 z^{13}$ $+3528157440056 z^{12} + 569622661344 z^{11} + 83170758096 z^{10}$ $+10476623968 z^9 + 1220747976 z^8 + 110925504 z^7 + 10589664 z^6$ $+546048 z^5 + 53352 z^4 + 608 z^3 + 144 z^2 + 1$	
$\{[48, 3, 44]\}$	$x^4 + 2x^3 + 2x^2 + x + 1$	$3475004686336 z^{48} + 83399933362176 z^{47} + 979950203486208 z^{46}$ $+7512948795588608 z^{45} + 42260340196952064 z^{44}$ $+185945499590197248 z^{43} + 666304695345248256 z^{42}$ $+1998914086292023296 z^{41} + 5122217390310421632 z^{40}$ $+11382705232784334592 z^{39} + 22196275257442587840 z^{38}$ $+38339020879848853056 z^{37} + 59105990586082481336 z^{36}$ $+81839063785068616608 z^{35} + 102298829718953159568 z^{34}$ $+115938673863020962656 z^{33} + 119561757271391297016 z^{32}$ $+112528712685130106112 z^{31} + 96899724927174792832 z^{30}$ $+76499782802671726080 z^{29} + 55462342517841197664 z^{28}$ $+36974895007239069056 z^{27} + 22689140113702101312 z^{26}$ $+12824296615237844736 z^{25} + 6679321142331600504 z^{24}$ $+3206074131305779392 z^{23} + 1418071262730400224 z^{22}$ $+577732740467056064 z^{21} + 216649772531337024 z^{20}$ $+74706818113002240 z^{19} + 23657160053437504 z^{18}$ $+6868207661166720 z^{17} + 1824367660566264 z^{16}$ $+442270906240128 z^{15} + 97559712735552 z^{14} + 19511972933760 z^{13}$ $+3523006623872 z^{12} + 571290762240 z^{11} + 82685357568 z^{10}$ $+10601616256 z^9 + 1192779720 z^8 + 116335296 z^7 + 9695136 z^6$ $+671616 z^5 + 37224 z^4 + 2144 z^3 + 144 z^2 + 1$	$\left\{ \left[32, \frac{4\sqrt{6}}{3} \right] \right\}$
		$3474999808354 z^{48} + 83399990951328 z^{47} + 979949941413840 z^{46}$ $+7512949232915168 z^{45} + 42260340898382760 z^{44}$	

$\{[48, 3, 44]\}$	$x^4 + x^3 + x^2 + 2$	$ \begin{aligned} &+185945495062891680 z^{43} + 666304702715787312 z^{42} \\ &+1998914086417102560 z^{41} + 5122217372975170884 z^{40} \\ &+11382705257436446560 z^{39} + 22196275240572523824 z^{38} \\ &+38339020905440974560 z^{37} + 59105990535518481680 z^{36} \\ &+81839063801004431040 z^{35} + 102298829814049700160 z^{34} \\ &+115938673715221344384 z^{33} + 119561757338077264476 z^{32} \\ &+112528712676356115264 z^{31} + 96899725049515051408 z^{30} \\ &+76499782491332519520 z^{29} + 55462342956508795824 z^{28} \\ &+36974894466195450368 z^{27} + 22689140789366665488 z^{26} \\ &+12824295834935200032 z^{25} + 6679321939414450800 z^{24} \\ &+3206073379017844800 z^{23} + 1418071935722851728 z^{22} \\ &+577732184758111328 z^{21} + 216650187509273760 z^{20} \\ &+74706534280128960 z^{19} + 23657340239331568 z^{18} \\ &+6868102594335840 z^{17} + 1824423265531746 z^{16} \\ &+442244005350432 z^{15} + 97571670599520 z^{14} + 19507178544192 z^{13} \\ &+3524715090344 z^{12} + 570739347552 z^{11} + 82848356352 z^{10} \\ &+10559466880 z^9 + 1202022108 z^8 + 114537312 z^7 + 9989760 z^6 \\ &+634176 z^5 + 43920 z^4 + 1280 z^3 + 48 z^2 + 1 \end{aligned} $	$\left\{ \left[32, \frac{4\sqrt{6}}{3} \right] \right\}$
$\{[48, 3, 44]\}$	$x^4 + x^3 + x^2 + 2x + 1$	$ \begin{aligned} &3475003958980 z^{48} + 83399941201728 z^{47} + 979950176275104 z^{46} \\ &+7512948776990144 z^{45} + 42260340637535760 z^{44} \\ &+185945498145954432 z^{43} + 666304697041271472 z^{42} \\ &+1998914088621178080 z^{41} + 5122217377835155800 z^{40} \\ &+11382705255961497280 z^{39} + 22196275233761520192 z^{38} \\ &+38339020886653123776 z^{37} + 59105990616414450680 z^{36} \\ &+81839063695006293984 z^{35} + 102298829884951776480 z^{34} \\ &+115938673622783922048 z^{33} + 119561757578767699092 z^{32} \\ &+112528712297859252480 z^{31} + 96899725425397538272 z^{30} \\ &+76499782159192518720 z^{29} + 55462343349839665824 z^{28} \\ &+36974893939001115776 z^{27} + 22689141425705173248 z^{26} \\ &+12824295123349392192 z^{25} + 6679322704088126820 z^{24} \\ &+3206072616980818464 z^{23} + 1418072620563461808 z^{22} \end{aligned} $	$\left\{ \left[32, \frac{4\sqrt{6}}{3} \right] \right\}$

		$+577731625047434144 z^{21} + 216650607391719384 z^{20}$ $+74706246972773280 z^{19} + 23657519368859056 z^{18}$ $+6867999389700000 z^{17} + 1824478537277016 z^{16}$ $+442216943252736 z^{15} + 97583613599520 z^{14} + 19502390326464 z^{13}$ $+3526464659648 z^{12} + 570173376192 z^{11} + 83006652528 z^{10}$ $+10520046880 z^9 + 1210988484 z^8 + 112759776 z^7 + 10311024 z^6$ $+575712 z^5 + 51840 z^4 + 320 z^3 + 240 z^2 + 1$	
$\{[48, 3, 44]\}$	$x^4 + x^3 + 2x + 2$	$3475321201386 z^{48} + 83399952630816 z^{47} + 979946297957136 z^{46}$ $+7512947669594720 z^{45} + 42260361907764936 z^{44}$ $+185945512393056288 z^{43} + 666304624915261488 z^{42}$ $+1998914012076758304 z^{41} + 5122217538974862624 z^{40}$ $+11382705492268685568 z^{39} + 22196275027345649856 z^{38}$ $+38339020380971486976 z^{37} + 59105990669140546832 z^{36}$ $+81839064507255706560 z^{35} + 102298830145576572192 z^{34}$ $+115938672789689874432 z^{33} + 119561756970559486902 z^{32}$ $+112528712678190054720 z^{31} + 96899726547758225568 z^{30}$ $+76499781410789361600 z^{29} + 55462343969450227536 z^{28}$ $+36974891973965074496 z^{27} + 22689143756671763808 z^{26}$ $+12824293060608204096 z^{25} + 6679325128127057136 z^{24}$ $+3206070171921138048 z^{23} + 1418074573499090496 z^{22}$ $+577730012763093120 z^{21} + 216651878456275008 z^{20}$ $+74705402985711360 z^{19} + 23658053726795776 z^{18}$ $+6867676381643520 z^{17} + 1824645090935868 z^{16}$ $+442137294623808 z^{15} + 97620166337568 z^{14} + 19488296663232 z^{13}$ $+3531491097744 z^{12} + 568428696384 z^{11} + 83474570784 z^{10}$ $+10394387584 z^9 + 1242268788 z^8 + 108669792 z^7 + 11557296 z^6$ $+535584 z^5 + 74136 z^4 + 672 z^3 + 336 z^2 + 1$	$\left\{ \left[32, \frac{4\sqrt{6}}{3} \right] \right\}$
		$3475003958980 z^{48} + 83399941201728 z^{47} + 979950176275104 z^{46}$ $+7512948776990144 z^{45} + 42260340637535760 z^{44}$ $+185945498145954432 z^{43} + 666304697041271472 z^{42}$ $+1998914088621178080 z^{41} + 5122217377835155800 z^{40}$	

{ [48, 3, 44] }	$x^4 + x^3 + x + 2$	$ \begin{aligned} &+11382705255961497280 z^{39} + 22196275233761520192 z^{38} \\ &+38339020886653123776 z^{37} + 59105990616414450680 z^{36} \\ &+81839063695006293984 z^{35} + 102298829884951776480 z^{34} \\ &+115938673622783922048 z^{33} + 119561757578767699092 z^{32} \\ &+112528712297859252480 z^{31} + 96899725425397538272 z^{30} \\ &+76499782159192518720 z^{29} + 55462343349839665824 z^{28} \\ &+36974893939001115776 z^{27} + 22689141425705173248 z^{26} \\ &+12824295123349392192 z^{25} + 6679322704088126820 z^{24} \\ &+3206072616980818464 z^{23} + 1418072620563461808 z^{22} \\ &+577731625047434144 z^{21} + 216650607391719384 z^{20} \\ &+74706246972773280 z^{19} + 23657519368859056 z^{18} \\ &+6867999389700000 z^{17} + 1824478537277016 z^{16} \\ &+442216943252736 z^{15} + 97583613599520 z^{14} + 19502390326464 z^{13} \\ &+3526464659648 z^{12} + 570173376192 z^{11} + 83006652528 z^{10} \\ &+10520046880 z^9 + 1210988484 z^8 + 112759776 z^7 + 10311024 z^6 \\ &+575712 z^5 + 51840 z^4 + 320 z^3 + 240 z^2 + 1 \end{aligned} $	$\left\{ \left[32, \frac{4\sqrt{6}}{3} \right] \right\}$
{ [48, 3, 44] }	$x^4 + x^3 + 2x^2 + 2x + 1$	$ \begin{aligned} &3475004686336 z^{48} + 83399933362176 z^{47} + 979950203486208 z^{46} \\ &+7512948795588608 z^{45} + 42260340196952064 z^{44} \\ &+185945499590197248 z^{43} + 666304695345248256 z^{42} \\ &+1998914086292023296 z^{41} + 5122217390310421632 z^{40} \\ &+11382705232784334592 z^{39} + 22196275257442587840 z^{38} \\ &+38339020879848853056 z^{37} + 59105990586082481336 z^{36} \\ &+81839063785068616608 z^{35} + 102298829718953159568 z^{34} \\ &+115938673863020962656 z^{33} + 119561757271391297016 z^{32} \\ &+112528712685130106112 z^{31} + 96899724927174792832 z^{30} \\ &+76499782802671726080 z^{29} + 55462342517841197664 z^{28} \\ &+36974895007239069056 z^{27} + 22689140113702101312 z^{26} \\ &+12824296615237844736 z^{25} + 6679321142331600504 z^{24} \\ &+3206074131305779392 z^{23} + 1418071262730400224 z^{22} \\ &+577732740467056064 z^{21} + 216649772531337024 z^{20} \\ &+74706818113002240 z^{19} + 23657160053437504 z^{18} \end{aligned} $	$\left\{ \left[32, \frac{4\sqrt{6}}{3} \right] \right\}$

		$+6868207661166720 z^{17} + 1824367660566264 z^{16}$ $+442270906240128 z^{15} + 97559712735552 z^{14} + 19511972933760 z^{13}$ $+3523006623872 z^{12} + 571290762240 z^{11} + 82685357568 z^{10}$ $+10601616256 z^9 + 1192779720 z^8 + 116335296 z^7 + 9695136 z^6$ $+671616 z^5 + 37224 z^4 + 2144 z^3 + 144 z^2 + 1$	
$\{[48, 3, 44]\}$	$x^4 + x^3 + 2x^2 + x + 1$	$3475002242086 z^{48} + 83399962212576 z^{47} + 979950072563568 z^{46}$ $+7512949008726176 z^{45} + 42260340594072312 z^{44}$ $+185945497112307168 z^{43} + 666304699635259536 z^{42}$ $+1998914085464388768 z^{41} + 5122217381168216268 z^{40}$ $+11382705251215576096 z^{39} + 22196275232587537680 z^{38}$ $+38339020917028703520 z^{37} + 59105990544773561120 z^{36}$ $+81839063775903527808 z^{35} + 102298829831510746464 z^{34}$ $+115938673680573106368 z^{33} + 119561757456676484376 z^{32}$ $+112528712442455638272 z^{31} + 96899725406418141568 z^{30}$ $+76499781946423326720 z^{29} + 55462343781863500128 z^{28}$ $+36974893344504723584 z^{27} + 22689142145710888320 z^{26}$ $+12824294318189682624 z^{25} + 6679323528203289852 z^{24}$ $+3206071844413526880 z^{23} + 1418073290219290032 z^{22}$ $+577731085135463072 z^{21} + 216651013115333544 z^{20}$ $+74705963541660000 z^{19} + 23657701454732752 z^{18}$ $+6867893209291488 z^{17} + 1824534576405090 z^{16}$ $+442189967601120 z^{15} + 97595489352816 z^{14} + 19497659806368 z^{13}$ $+3528157440056 z^{12} + 569622661344 z^{11} + 83170758096 z^{10}$ $+10476623968 z^9 + 1220747976 z^8 + 110925504 z^7 + 10589664 z^6$ $+546048 z^5 + 53352 z^4 + 608 z^3 + 144 z^2 + 1$	$\left\{ \left[32, \frac{4\sqrt{6}}{3} \right] \right\}$
		$13900264230634 z^{50} + 347498640449100 z^{49} + 4256874363857850 z^{48}$ $+34055008190536800 z^{47} + 200073101499106200 z^{46}$ $+920336248450945520 z^{45} + 3451261174018812600 z^{44}$ $+10846820804063968800 z^{43} + 29150830371668876700 z^{42}$ $+68018604263180628400 z^{41} + 139438139805034055010 z^{40}$ $+253523890311623576400 z^{39} + 411976320558141066000 z^{38}$	

$\{[50, 3, 46]\}$	$x^4 + 2x^3 + x^2 + 2x + 1$	$ \begin{aligned} &+602119237189374572400 z^{37} + 795657565862570759900 z^{36} \\ &+954789078828366798960 z^{35} + 1044300554015901128550 z^{34} \\ &+1044300551461775802300 z^{33} + 957275510171580367900 z^{32} \\ &+806126741080851621600 z^{31} + 624748231983333230340 z^{30} \\ &+446248723670660298600 z^{29} + 294118493887967759100 z^{28} \\ &+179028628995089754800 z^{27} + 100703626345223174700 z^{26} \\ &+52365861988226840664 z^{25} + 25175917549611583200 z^{24} \\ &+11189276809390978400 z^{23} + 4595612354498020500 z^{22} \\ &+1743150814945608600 z^{21} + 610111481390969640 z^{20} \\ &+196804517549616000 z^{19} + 58429691941604050 z^{18} \\ &+15933552591791100 z^{17} + 3984299253850050 z^{16} \\ &+910278671044800 z^{15} + 189814811390900 z^{14} + 35845319010600 z^{13} \\ &+6154013732100 z^{12} + 939879642000 z^{11} + 131127123960 z^{10} \\ &+15520783000 z^9 + 1761307350 z^8 + 145429200 z^7 + 14657100 z^6 \\ &+644600 z^5 + 87300 z^4 + 1200 z^3 + 450 z^2 + 1 \end{aligned} $	$\left\{ \left[\frac{100}{3}, \frac{10}{3} \right] \right\}$
$\{[50, 3, 46]\}$	$x^4 + x^3 + x^2 + x + 1$	$ \begin{aligned} &13900264230634 z^{50} + 347498640449100 z^{49} + 4256874363857850 z^{48} \\ &+34055008190536800 z^{47} + 200073101499106200 z^{46} \\ &+920336248450945520 z^{45} + 3451261174018812600 z^{44} \\ &+10846820804063968800 z^{43} + 29150830371668876700 z^{42} \\ &+68018604263180628400 z^{41} + 139438139805034055010 z^{40} \\ &+253523890311623576400 z^{39} + 411976320558141066000 z^{38} \\ &+602119237189374572400 z^{37} + 795657565862570759900 z^{36} \\ &+954789078828366798960 z^{35} + 1044300554015901128550 z^{34} \\ &+1044300551461775802300 z^{33} + 957275510171580367900 z^{32} \\ &+806126741080851621600 z^{31} + 624748231983333230340 z^{30} \\ &+446248723670660298600 z^{29} + 294118493887967759100 z^{28} \\ &+179028628995089754800 z^{27} + 100703626345223174700 z^{26} \\ &+52365861988226840664 z^{25} + 25175917549611583200 z^{24} \\ &+11189276809390978400 z^{23} + 4595612354498020500 z^{22} \\ &+1743150814945608600 z^{21} + 610111481390969640 z^{20} \\ &+196804517549616000 z^{19} + 58429691941604050 z^{18} \end{aligned} $	$\left\{ \left[\frac{100}{3}, \frac{10}{3} \right] \right\}$

		$+15933552591791100 z^{17} + 3984299253850050 z^{16}$ $+910278671044800 z^{15} + 189814811390900 z^{14} + 35845319010600 z^{13}$ $+6154013732100 z^{12} + 939879642000 z^{11} + 131127123960 z^{10}$ $+15520783000 z^9 + 1761307350 z^8 + 145429200 z^7 + 14657100 z^6$ $+644600 z^5 + 87300 z^4 + 1200 z^3 + 450 z^2 + 1$	
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