

$2^4 S_4$

GRD	Polynomial	Slope Data
31.38	$x^8 - 4x^7 + 11x^6 - 19x^5 + 28x^4 - 29x^3 + 27x^2 - 15x + 10$ $x^8 - 3x^7 + 8x^6 - 8x^5 - 10x^4 + 29x^3 - 16x^2 - 20x + 24$ $x^8 + x^6 - 7x^5 - x^4 + 7x^3 + x^2 + 1$ $x^8 - 4x^7 - 2x^6 + 15x^5 + 12x^4 - 37x^3 + 14x^2 + x + 4$	$5 []_2$ $197 []_2$
32.81	$x^8 + 2x^6 + 4x^4 - 2x^2 - 1$ $x^8 - 2x^6 + 4x^4 + 2x^2 - 1$ $x^8 - 2x^7 - 2x^6 + 20x^5 - 96x^4 + 260x^3 - 510x^2 + 852x - 722$ $x^8 - 2x^7 + 4x^6 - 16x^5 + 30x^4 + 84x^3 - 242x^2 - 456x - 254$	$2 [\frac{4}{3}, \frac{4}{3}, 2, \frac{7}{3}, \frac{7}{3}, \frac{5}{2}]_3$ $43 []_2$
32.81	$x^8 + 10x^6 + 36x^4 + 62x^2 + 43$ $x^8 - 10x^6 + 36x^4 - 62x^2 + 43$ $x^8 + 10x^6 + 40x^4 + 70x^2 + 43$ $x^8 - 10x^6 + 40x^4 - 70x^2 + 43$	$2 [\frac{4}{3}, \frac{4}{3}, 2, \frac{7}{3}, \frac{7}{3}, \frac{5}{2}]_3$ $43 []_2$
34.03	$x^8 - 2x^7 - 2x^6 + 2x^5 + 12x^4 - 10x^3 - 6x^2 - 14x + 31$ $x^8 - 8x^6 + 2x^4 + 12x^2 + 5$ $x^8 + 2x^6 + 18x^4 - 22x^3 + 50x^2 - 22x + 31$ $x^8 + 12x^6 + 10x^4 - 200x^2 + 125$	$2 [\frac{4}{3}, \frac{4}{3}, \frac{3}{2}]_3$ $5 []_2$ $11 []_4$
34.74	$x^8 - 4x^6 + 2x^4 + 8x^2 + 5$ $x^8 - 2x^5 + 2x^3 + 1$ $x^8 - 4x^6 - 12x^5 + 6x^4 + 76x^3 + 188x^2 + 248x + 157$ $x^8 - 2x^7 + 4x^6 - 8x^5 + 10x^4 + 6x^3 + 38x^2 + 24x + 22$	$2 [\frac{4}{3}, \frac{4}{3}, \frac{3}{2}]_3$ $5 []_6$ $13 []_2$
34.83	$x^8 - 2x^7 + 2x^5 + x^4 - 2x^3 - 2x^2 + 2x + 1$ $x^8 + 2x^6 - 2x^5 - 7x^4 - 2x^3 + 8x - 5$ $x^8 - 4x^7 + 6x^6 - 4x^5 - 17x^4 + 36x^3 - 44x^2 + 26x - 10$ $x^8 - 2x^7 - 6x^6 + 18x^5 + 47x^4 - 16x^3 - 164x^2 - 374x - 118$	$2 [\frac{4}{3}, \frac{4}{3}]_3$ $7 []_4$ $13 []_2$
36.70	$x^8 + 4x^6 + 6x^4 + 12x^2 - 3$ $x^8 - 8x^2 - 12$ $x^8 - 4x^7 + 6x^6 + 4x^5 - 10x^4 - 12x^3 + 16x^2 + 20x - 30$ $x^8 - 6x^6 - 20x^5 - 18x^4 + 6x^2 - 9$	$2 [2, 2, 2, 2, \frac{5}{2}]$ $3 [\frac{3}{2}]_2$ $5 []_2$
36.70	$x^8 - 4x^6 + 6x^4 - 12x^2 - 3$ $x^8 + 8x^2 - 12$ $x^8 - 4x^7 + 2x^6 + 4x^5 - 10x^4 + 32x^3 - 14x^2 + 20x - 1$ $x^8 + 6x^6 - 16x^5 + 18x^4 - 48x^3 + 56x^2 - 12x - 6$	$2 [2, 2, 2, 2, \frac{5}{2}]$ $3 [\frac{3}{2}]_2$ $5 []_2$
36.78	$x^8 - 2x^5 - 2x^3 + 1$ $x^8 + 2x^6 - 6x^5 - 6x^3 + 2x^2 + 1$ $x^8 - 2x^7 + 4x^6 - 4x^5 - 40x^4 - 30x^3 - 162x^2 - 168x - 66$ $x^8 - 2x^7 + 6x^6 - 44x^5 + 8x^4 + 32x^3 - 128x^2 + 1080x - 3272$	$2 [\frac{4}{3}, \frac{4}{3}, \frac{3}{2}]_3$ $3 []_4$ $41 []_2$
37.20	$x^8 - 2x^7 - 5x^6 + 22x^5 + 10x^4 - 86x^3 + 47x^2 + 34x + 87$ $x^8 - x^7 + 5x^6 - 7x^5 + 13x^4 - 12x^3 + 9x^2 - 4x + 2$ $x^8 - 4x^7 + 4x^6 - 10x^5 + 46x^4 - 60x^3 + 47x^2 - 108x + 100$ $x^8 - 4x^7 + 11x^6 - 19x^5 + 24x^4 - 21x^3 + 11x^2 - 3x + 1$	$2 [3]$ $173 []_2$
37.50	$x^8 - 4x^6 + 4x^2 - 4$ $x^8 + 4x^6 - 4x^2 - 4$ $x^8 + 6x^6 - 6x^2 - 9$ $x^8 - 6x^6 + 6x^2 - 9$	$2 [\frac{4}{3}, \frac{4}{3}, 2, \frac{7}{3}, \frac{7}{3}, \frac{5}{2}]_3$ $3 [\frac{5}{2}]_2$

GRD	Polynomial	Slope Data			
37.50	$x^8 + 2x^6 + 6x^2 + 3$ $x^8 - 2x^6 - 6x^2 + 3$ $x^8 - 6x^6 + 12x^4 + 14x^2 + 3$ $x^8 + 6x^6 + 12x^4 - 14x^2 + 3$	2	$[\frac{4}{3}, \frac{4}{3}, 2, \frac{7}{3}, \frac{7}{3}, \frac{5}{2}]_3$	3	$[\frac{5}{2}]_2$
37.84	$x^8 + 2x^6 + 6x^4 - 6x^2 - 4x - 1$ $x^8 - 4x^7 - 6x^6 + 32x^5 + 22x^4 - 56x^3 - 46x^2 + 80x - 137$ $x^8 - 2x^6 - 4x^5 + 14x^4 - 24x^3 + 24x^2 - 12x + 2$ $x^8 - 4x^6 - 72x^5 - 188x^4 - 408x^3 - 1080x^2 - 1184x - 3112$	2	$[2, 2, 2, 2, \frac{5}{2}]$	3	$[]_2$ 23 $[]_2$
37.84	$x^8 - 2x^6 - 4x^5 - 6x^4 - 8x^3 - 4x^2 - 4x - 2$ $x^8 - 4x^7 + 22x^6 - 48x^5 + 106x^4 - 156x^3 + 160x^2 - 52x - 86$ $x^8 + 2x^6 - 10x^4 + 14x^2 - 4x - 9$ $x^8 - 68x^5 - 40x^4 + 368x^3 + 1432x^2 - 1768x - 3924$	2	$[2, 2, 2, 2, \frac{5}{2}]$	3	$[]_2$ 23 $[]_2$
38.30	$x^8 - 2x^7 - 2x^6 + 6x^5 + 4x^4 - 18x^3 + 10x^2 + 22x - 17$ $x^8 - 2x^7 + 2x^6 - 14x^5 + 16x^4 + 10x^3 + 34x^2 - 66x - 33$ $x^8 - 2x^5 - 6x^4 - 14x^3 - 6x^2 - 8x + 2$ $x^8 - 2x^7 - 2x^6 + 50x^5 + 40x^4 + 18x^3 + 454x^2 + 750x - 1377$	2	$[\frac{4}{3}, \frac{4}{3}, \frac{3}{2}]_3$	3	$[]_2$ 7 $[]_2$ 11 $[]_2$
38.30	$x^8 - 2x^7 + 4x^6 - 6x^5 + 6x^4 - 8x^2 + 12x - 5$ $x^8 - 2x^7 - 6x^6 + 6x^5 + 18x^4 + 18x^3 - 26x^2 - 12x - 10$ $x^8 - 2x^7 + 8x^6 - 4x^4 + 32x^3 - 28x^2 + 4$ $x^8 - 2x^7 - 8x^6 - 26x^5 - 76x^4 - 154x^3 - 210x^2 - 196x - 98$	2	$[\frac{4}{3}, \frac{4}{3}, \frac{3}{2}]_3$	3	$[]_2$ 7 $[]_2$ 11 $[]_2$
38.57	$x^8 - x^6 + 17x^4 + 13x^2 - 2$ $x^8 + 6x^6 + 4x^4 + 4x^2 - 8$ $x^8 + x^6 - 2x^4 + 6x^2 - 2$ $x^8 - 6x^6 + 4x^4 + 34x^2 - 8$	2	$[\frac{4}{3}, \frac{4}{3}, 3]_3$	19	$[]_4$
38.58	$x^8 + 5x^6 - 23x^2 - 23$ $x^8 - 7x^6 - 8x^5 + 10x^4 + 14x^3 - 23x^2 - 46x - 23$ $x^8 - x^7 - x^6 + x^5 + 3x^4 + 4x^3 - 2x^2 - 6x + 2$ $x^8 - x^7 - 4x^6 + 2x^5 + 10x^4 - 5x^3 - 6x^2 + 6x - 1$	2	$[2, 2]$	23	$[]_6$
38.58	$x^8 - 2x^7 - 4x^6 + 6x^5 + 7x^4 - 26x^3 + 10x^2 + 4x - 1$ $x^8 - 2x^7 - x^6 + 8x^5 - 5x^4 - 10x^3 + 22x^2 - 16x + 4$ $x^8 - 2x^7 + 2x^6 - 6x^5 - 8x^4 + 10x^3 + 9x^2 - 2x - 2$ $x^8 - 2x^7 + 5x^6 - 10x^5 + 16x^4 - 20x^3 + 20x^2 - 16x + 16$	2	$[2, 2]$	23	$[]_6$
38.62	$x^8 + 4x^6 + 2x^4 - 8x^2 - 9$ $x^8 - 4x^6 + 2x^4 + 8x^2 - 9$ $x^8 - 4x^6 - 62x^4 + 176x^2 - 121$ $x^8 + 4x^6 - 62x^4 - 176x^2 - 121$	2	$[2, \frac{8}{3}, \frac{8}{3}, \frac{10}{3}, \frac{10}{3}, 4]_3$	11	$[]_2$
38.62	$x^8 - 2x^4 + 4x^2 - 1$ $x^8 - 2x^4 - 4x^2 - 1$ $x^8 - 8x^6 + 38x^4 - 132x^2 - 121$ $x^8 + 8x^6 + 38x^4 + 132x^2 - 121$	2	$[2, \frac{8}{3}, \frac{8}{3}, \frac{10}{3}, \frac{10}{3}, 4]_3$	11	$[]_2$
39.02	$x^8 + 2x^2 - 1$ $x^8 - 2x^2 - 1$ $x^8 + 18x^6 + 124x^4 - 1849$ $x^8 - 18x^6 + 124x^4 - 1849$	2	$[\frac{4}{3}, \frac{4}{3}, 2, \frac{7}{3}, \frac{7}{3}, 3]_3$	43	$[]_2$
39.02	$x^8 + 10x^6 + 12x^4 - 28x^2 + 43$ $x^8 - 10x^6 + 12x^4 + 28x^2 + 43$ $x^8 + 10x^6 + 28x^4 + 24x^2 + 43$ $x^8 - 10x^6 + 28x^4 - 24x^2 + 43$	2	$[\frac{4}{3}, \frac{4}{3}, 2, \frac{7}{3}, \frac{7}{3}, 3]_3$	43	$[]_2$

GRD	Polynomial	Slope Data		
39.13	$x^8 - 8x^3 + 20x^2 - 25$ $x^8 - 8x^6 - 16x^5 + 56x^4 + 16x^3 - 48x^2 - 80x + 76$ $x^8 - 4x^7 + 2x^6 + 8x^5 - 15x^4 + 12x^3 - 8x^2 + 4x - 14$ $x^8 - 4x^6 + 40x^4 - 48x^3 + 72x + 15$	$2 \left[\frac{8}{3}, \frac{8}{3} \right]_3$	$3 []_4$	$5 []_6$
39.36	$x^8 - 2x^6 - 4x^5 + 13x^4 + 12x^3 - 4x^2 - 24x + 12$ $x^8 - 4x^7 + 4x^6 - 16x^5 + 36x^4 - 32x^3 + 16x^2 - 32x + 16$ $x^8 - 4x^7 + 10x^6 - 16x^5 + 9x^4 + 4x^3 - 4x - 2$ $x^8 - 4x^7 + 12x^5 + 22x^4 - 36x^3 - 72x^2 - 68x - 11$	$2 \left[\frac{8}{3}, \frac{8}{3} \right]_3$	$3 []_2$	$7 []_6$
39.57	$x^8 + 2x^6 + x^4 + 8x^2 - 8$ $x^8 + 2x^6 + 7x^4 - 16x^2 - 2$ $x^8 - 2x^7 + x^6 + 6x^5 - 7x^4 + 4x^3 + 2x^2 + 4x + 2$ $x^8 - 2x^6 + 7x^4 + 16x^2 - 2$	$2 [2, 3, 4]$	$11 []_3$	
39.57	$x^8 - 2x^7 + 9x^6 + 2x^5 - 2x^3 + 9x^2 + 2x + 1$ $x^8 + 3x^6 - 5x^2 + 5$ $x^8 - x^7 + x^6 - 3x^5 + 8x^4 - 3x^3 + x^2 - x + 1$ $x^8 - 2x^6 + 13x^4 - 4x^2 + 20$	$2 [3]$	$5 []_6$	$7 []_3$
39.85	$x^8 - 2x^7 - 4x^6 - 14x^5 + 21x^4 + 54x^3 + 12x^2 - 8x + 1$ $x^8 - 3x^7 + 6x^6 - 8x^5 + 13x^4 - 12x^3 + 10x^2 - 13x + 7$ $x^8 - x^7 + 4x^6 - 12x^5 + 20x^4 - 27x^3 + 25x^2 - 12x + 4$ $x^8 - 2x^7 + 4x^6 - 12x^5 - 10x^4 + 26x^3 - 51x^2 - 70x + 2$	$2 [2]$	$397 []_2$	
39.89	$x^8 - 8x^6 - 8x^5 + 18x^4 + 16x^3 + 16x^2 - 24x + 10$ $x^8 - 4x^6 - 6x^4 - 12x^2 - 3$ $x^8 + 12x^6 + 48x^4 + 56x^2 - 12$ $x^8 - 18x^4 - 8x^2 - 3$	$2 \left[2, 2, 3, \frac{7}{2}, \frac{7}{2}, \frac{15}{4} \right]$	$3 \left[\frac{3}{2} \right]_2$	
39.89	$x^8 - 4x^6 - 8x^5 - 6x^4 + 32x^3 + 64x^2 + 24x - 22$ $x^8 + 4x^6 - 6x^4 + 12x^2 - 3$ $x^8 - 18x^4 + 8x^2 - 3$ $x^8 - 12x^6 + 48x^4 - 56x^2 - 12$	$2 \left[2, 2, 3, \frac{7}{2}, \frac{7}{2}, \frac{15}{4} \right]$	$3 \left[\frac{3}{2} \right]_2$	
40.31	$x^8 + 4x^6 + 32x^2 - 16$ $x^8 - 4x^6 - 32x^2 - 16$ $x^8 - 24x^4 + 60x^2 - 36$ $x^8 - 24x^4 - 60x^2 - 36$	$2 \left[\frac{4}{3}, \frac{4}{3}, 2, \frac{7}{3}, \frac{7}{3}, \frac{5}{2} \right]_3$	$3 \left[\frac{3}{2} \right]_2$	$5 []_2$
40.31	$x^8 - 4x^6 + 12x^4 + 4x^2 - 4$ $x^8 + 4x^6 + 12x^4 - 4x^2 - 4$ $x^8 + 6x^6 + 12x^4 - 6x^2 - 9$ $x^8 - 6x^6 + 12x^4 + 6x^2 - 9$	$2 \left[\frac{4}{3}, \frac{4}{3}, 2, \frac{7}{3}, \frac{7}{3}, \frac{5}{2} \right]_3$	$3 \left[\frac{3}{2} \right]_2$	$5 []_2$
40.47	$x^8 + 8x^6 + 2x^4 - 12x^2 + 5$ $x^8 - 2x^7 + 10x^5 - 26x^4 + 10x^3 - 2x + 1$ $x^8 - 12x^6 + 10x^4 + 200x^2 + 125$ $x^8 - 8x^6 - 20x^4 + 100x^2 + 500$	$2 \left[\frac{4}{3}, \frac{4}{3}, 2 \right]_3$	$5 []_2$	$11 []_4$
40.92	$x^8 - 11x^4 - 22x^3 + 22x + 22$ $x^8 - 44x - 33$ $x^8 - 2x^7 + 10x^6 - 16x^5 + 16x^4 + 32x^3 - 224x^2 + 456x - 116$ $x^8 - 2x^7 + 10x^6 - 16x^5 + 5x^4 + 10x^3 + 18x^2 + 126x + 38$	$2 \left[\frac{4}{3}, \frac{4}{3} \right]_3$	$5 []_2$	$11 []_8$
40.93	$x^8 - 4x^7 + 2x^6 + 8x^5 - 17x^4 + 16x^3 - 6x^2 - 3$ $x^8 - 4x^7 + 4x^6 + 2x^5 - 41x^4 + 74x^3 - 68x^2 + 32x - 8$ $x^8 - 2x^7 + 2x^5 - 7x^4 + 6x^3 - 8x^2 - 14x - 21$ $x^8 - 4x^7 - 2x^6 + 20x^5 - 5x^4 - 28x^3 + 16x^2 + 2x - 2$	$2 \left[\frac{4}{3}, \frac{4}{3} \right]_3$	$3 \left[\frac{3}{2} \right]_2$	$7 []_6$

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40.94	$x^8 + 6x^6 + 10x^4 + 2x^2 - 1$ $x^8 - 6x^6 + 10x^4 - 2x^2 - 1$ $x^8 + 6x^6 - 14x^4 - 230x^2 - 529$ $x^8 - 6x^6 - 14x^4 + 230x^2 - 529$	2 $[2, 2, 2, 3, 3, \frac{7}{2}]$	23 $[]_2$
40.94	$x^8 - 2x^6 + 2x^4 - 2x^2 - 1$ $x^8 + 2x^6 + 2x^4 + 2x^2 - 1$ $x^8 - 14x^6 + 26x^4 + 690x^2 - 529$ $x^8 + 14x^6 + 26x^4 - 690x^2 - 529$	2 $[2, 2, 2, 3, 3, \frac{7}{2}]$	23 $[]_2$
41.31	$x^8 + 4x^6 + 2x^4 - 8x^2 + 5$ $x^8 - 4x^6 - 2x^5 + 4x^3 + 10x^2 + 4x + 2$ $x^8 - 10x^5 + 40x^4 - 52x^3 + 90x^2 + 60x + 10$ $x^8 + 14x^6 - 30x^5 + 40x^4 - 184x^3 + 240x^2 - 86x + 95$	2 $[\frac{4}{3}, \frac{4}{3}, 2]_3$	5 $[]_6$ 13 $[]_2$
41.57	$x^8 - 2x^6 - 3x^4 + 6x^2 - 3$ $x^8 + 2x^6 - 3x^4 - 6x^2 - 3$ $x^8 + 6x^6 + 9x^4 + 2x^2 - 3$ $x^8 - 6x^6 + 9x^4 - 2x^2 - 3$	2 $[2, 3, 3, \frac{7}{2}]$	3 $[2]_2$
41.57	$x^8 - 4x^6 - 12x^4 + 48x^2 - 48$ $x^8 + 4x^6 - 12x^4 - 48x^2 - 48$ $x^8 - 6x^6 + 9x^4 - 38x^2 - 3$ $x^8 + 6x^6 + 9x^4 + 38x^2 - 3$	2 $[2, 3, 3, \frac{7}{2}]$	3 $[2]_2$
41.58	$x^8 - 2x^7 - x^6 + 7x^5 - 9x^4 + 7x^3 - x^2 - 2x + 1$ $x^8 - 3x^7 - 9x^6 + 4x^5 + 5x^4 - 57x^3 + 4x^2 + 27x - 40$ $x^8 - 3x^7 + 8x^6 - 7x^5 + 10x^4 + 4x^2 - 4x - 5$ $x^8 - 3x^7 + 5x^6 - 9x^5 - 31x^4 + 60x^3 + 114x^2 - 104x - 185$	7 $[]_2$	13 $[]_2$ 19 $[]_2$
41.58	$x^8 - 4x^7 + 2x^6 + 4x^5 + 3x^4 - 25x^3 + 40x^2 - 28x + 8$ $x^8 - x^7 + 3x^6 - 27x^5 + 55x^4 - 76x^3 + 90x^2 - 31x - 10$ $x^8 - x^7 + 4x^6 - 5x^5 + 13x^4 - 16x^3 + 21x^2 + x - 10$ $x^8 - 4x^7 + 13x^6 - 25x^5 + 31x^4 - 25x^3 + 9x^2 - 13$	7 $[]_2$	13 $[]_2$ 19 $[]_2$
41.67	$x^8 - 2x^7 + 2x^5 - 4x^4 + 2x^3 - 2x - 1$ $x^8 - 2x^7 - 4x^6 + 18x^5 - 9x^4 - 38x^3 + 44x^2 + 28x - 37$ $x^8 - 2x^7 - 4x^6 - 2x^5 + 3x^4 - 10x^3 - 4x^2 + 4x - 5$ $x^8 - 2x^7 - 26x^6 + 76x^5 + 149x^4 - 840x^3 + 1182x^2 - 486x - 883$	2 $[2, 2]$	7 $[]_2$ 31 $[]_2$
41.96	$x^8 + 4x^6 + 6x^4 + 8x^2 - 1$ $x^8 - 4x^6 + 6x^4 - 8x^2 - 1$ $x^8 + 12x^6 + 30x^4 - 48x^2 - 9$ $x^8 - 12x^6 + 30x^4 + 48x^2 - 9$	2 $[2, \frac{8}{3}, \frac{8}{3}, \frac{10}{3}, \frac{10}{3}, 4]_3$	3 $[\frac{3}{2}]_2$
41.96	$x^8 - 4x^6 + 6x^4 - 9$ $x^8 + 4x^6 + 6x^4 - 9$ $x^8 - 6x^4 + 12x^2 - 9$ $x^8 - 6x^4 - 12x^2 - 9$	2 $[2, \frac{8}{3}, \frac{8}{3}, \frac{10}{3}, \frac{10}{3}, 4]_3$	3 $[\frac{3}{2}]_2$
41.96	$x^8 - 6x^4 + 4x^2 + 3$ $x^8 - 6x^4 - 4x^2 + 3$ $x^8 + 4x^6 + 12x^4 + 24x^2 + 12$ $x^8 - 4x^6 + 12x^4 - 24x^2 + 12$	2 $[2, \frac{8}{3}, \frac{8}{3}, \frac{10}{3}, \frac{10}{3}, 4]_3$	3 $[\frac{3}{2}]_2$
41.96	$x^8 + 12x^6 + 30x^4 + 8x^2 + 3$ $x^8 - 12x^6 + 30x^4 - 8x^2 + 3$ $x^8 + 8x^6 + 18x^4 + 12x^2 + 3$ $x^8 - 8x^6 + 18x^4 - 12x^2 + 3$	2 $[2, \frac{8}{3}, \frac{8}{3}, \frac{10}{3}, \frac{10}{3}, 4]_3$	3 $[\frac{3}{2}]_2$

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42.00	$x^8 - 2x^7 + 4x^6 - 6x^5 + 22x^4 - 30x^3 + 2x^2 - 12x + 2$ $x^8 - 2x^7 - 8x^6 + 12x^5 + 20x^4 + 10x^3 - 102x^2 + 96x - 26$ $x^8 + 2x^6 - 16x^4 - 10x^2 - 56x + 39$ $x^8 - 2x^7 + 6x^6 - 2x^5 - 36x^4 + 178x^3 - 354x^2 + 698x - 789$	$2 \left[\frac{4}{3}, \frac{4}{3}, \frac{3}{2} \right]_3$ $3 []_2$ $5 []_2$ $7 []_4$
42.00	$x^8 - 2x^7 + 2x^6 + 4x^5 - 8x^4 + 4x^3 + 2x^2 - 2x + 1$ $x^8 - 2x^7 + 6x^6 - 16x^5 + 34x^4 - 88x^3 + 94x^2 - 114x + 51$ $x^8 - 2x^7 - 6x^6 + 2x^5 + 28x^4 + 12x^3 - 34x^2 - 40x + 1$ $x^8 - 2x^7 - 2x^6 + 10x^5 - 10x^4 - 14x^3 + 42x^2 + 56x + 14$	$2 \left[\frac{4}{3}, \frac{4}{3}, \frac{3}{2} \right]_3$ $3 []_2$ $5 []_2$ $7 []_4$
42.06	$x^8 - 2x^7 - 2x^6 + 6x^5 - 5x^4 + 6x^3 - 2x^2 - 2x + 1$ $x^8 - 10x^6 - 10x^5 + 10x^4 - 20x^3 - 40x^2 + 40x - 40$ $x^8 - 4x^7 + 12x^6 - 22x^5 + 15x^4 + 2x^3 - 18x^2 - 36x + 11$ $x^8 - 10x^5 + 15x^4 - 70x^3 + 60x^2 - 40x - 40$	$2 \left[\frac{4}{3}, \frac{4}{3} \right]_3$ $3 []_2$ $5 []_8$ $7 []_2$
42.06	$x^8 - 2x^7 + 8x^6 - 14x^5 + 10x^4 - 14x^3 + 8x^2 - 2x + 1$ $x^8 - 2x^7 + 8x^6 - 44x^5 + 25x^4 - 44x^3 + 8x^2 - 2x + 1$ $x^8 - 2x^7 - 2x^6 + 6x^5 + 5x^4 - 14x^3 - 12x^2 + 48x - 44$ $x^8 - 20x^6 - 80x^5 - 205x^4 - 180x^3 + 30x^2 + 90x - 115$	$2 \left[\frac{4}{3}, \frac{4}{3} \right]_3$ $3 []_2$ $5 []_8$ $7 []_2$
42.33	$x^8 - 8x^3 + 20x^2 + 25$ $x^8 - 4x^6 + 2x^4 - 12x^2 + 5$ $x^8 + 4x^6 + 10x^4 - 24x^3 + 40x^2 - 56x + 30$ $x^8 - 8x^6 - 10x^4 + 5$	$2 \left[2, 2, 3, \frac{7}{2}, \frac{7}{2}, \frac{15}{4} \right]$ $5 []_6$
42.33	$x^8 + 4x^6 + 2x^4 + 12x^2 + 5$ $x^8 - 4x^6 - 8x^5 - 4x^4 + 24x^3 + 8x^2 - 8x - 3$ $x^8 + 8x^6 - 10x^4 + 5$ $x^8 - 8x^6 - 8x^5 + 10x^4 + 24x^3 + 8x - 2$	$2 \left[2, 2, 3, \frac{7}{2}, \frac{7}{2}, \frac{15}{4} \right]$ $5 []_6$
42.37	$x^8 - 2x^7 - 4x^6 + 10x^5 - 2x^4 + 2x^3 - 10x^2 + 8x - 2$ $x^8 - 2x^7 + 4x^6 - 20x^5 + 16x^4 - 2x^3 - 26x^2 - 32x + 70$ $x^8 - 2x^7 + 4x^6 - 2x^5 + 10x^4 + 22x^3 + 10x^2 + 28x + 10$ $x^8 - 4x^7 + 14x^6 - 4x^5 - 56x^4 + 250x^3 - 442x^2 + 454x - 311$	$2 \left[\frac{4}{3}, \frac{4}{3}, \frac{3}{2} \right]_3$ $3 []_4$ $11 []_6$
42.49	$x^8 + 4x^6 - 4x^5 + 10x^4 - 24x^3 + 20x^2 - 12x + 33$ $x^8 + 16x^6 + 34x^4 - 264x^2 + 261$ $x^8 + 8x^6 - 12x^5 + 40x^4 - 48x^3 + 88x^2 - 88x + 28$ $x^8 - 4x^6 - 2x^4 - 60x^2 + 261$	$2 \left[2, 2, 2, 2, \frac{5}{2} \right]$ $3 []_2$ $29 []_2$
42.49	$x^8 - 8x^6 - 8x^5 + 22x^4 + 8x^3 - 8x^2 + 1$ $x^8 - 16x^6 + 34x^4 + 264x^2 + 261$ $x^8 - 12x^6 - 16x^5 + 20x^4 + 56x^3 + 56x^2 + 48x + 24$ $x^8 + 4x^6 - 2x^4 + 60x^2 + 261$	$2 \left[2, 2, 2, 2, \frac{5}{2} \right]$ $3 []_2$ $29 []_2$
42.62	$x^8 - 6x^6 + 15x^4 - 10x^2 - 3$ $x^8 + 2x^6 + 3x^4 - 6x^2 - 3$ $x^8 - 4x^7 + 10x^6 - 8x^5 - 34x^4 + 112x^3 - 126x^2 + 60x - 15$ $x^8 - 4x^6 - 6x^4 - 60x^2 - 75$	$2 [2, 2, 2, 2]$ $3 [2]_2$ $5 []_2$
42.62	$x^8 + 6x^6 + 15x^4 + 10x^2 - 3$ $x^8 - 2x^6 + 3x^4 + 6x^2 - 3$ $x^8 - 4x^7 + 4x^6 - 2x^5 + 23x^4 + 22x^3 - 4x^2 - 14x - 1$ $x^8 + 4x^6 - 6x^4 + 60x^2 - 75$	$2 [2, 2, 2, 2]$ $3 [2]_2$ $5 []_2$
42.76	$x^8 - 10x^4 + 8x^2 - 3$ $x^8 - 8x^6 - 6x^4 + 176x^2 - 363$ $x^8 + 8x^6 + 30x^4 - 27$ $x^8 - 4x^7 + 16x^6 - 20x^5 - 130x^4 + 516x^3 - 1428x^2 + 2852x - 2229$	$2 \left[\frac{4}{3}, \frac{4}{3}, \frac{8}{3}, \frac{8}{3}, \frac{7}{2} \right]_3$ $3 []_2$ $11 []_2$

GRD	Polynomial	Slope Data					
42.76	$x^8 + 2x^4 - 8x^2 - 3$ $x^8 - 4x^7 + 16x^6 - 4x^5 - 82x^4 + 100x^3 - 148x^2 - 340x - 173$ $x^8 - 4x^7 + 12x^6 - 20x^5 + 34x^4 - 44x^3 + 8x^2 + 4x - 1$ $x^8 - 4x^7 + 24x^6 - 32x^5 - 44x^4 + 424x^3 - 1132x^2 + 1336x - 1030$	2	$[\frac{4}{3}, \frac{4}{3}, \frac{8}{3}, \frac{8}{3}, \frac{7}{2}]_3$	3	$[]_2$	11	$[]_2$
42.76	$x^8 + 2x^4 + 8x^2 - 3$ $x^8 - 4x^7 - 20x^5 - 58x^4 + 28x^3 - 140x^2 + 332x - 193$ $x^8 - 4x^7 + 4x^6 - 12x^4 - 8x^3 - 4x^2 - 16x - 6$ $x^8 - 4x^7 - 8x^6 + 16x^5 + 68x^4 + 192x^3 + 228x^2 - 1120x - 618$	2	$[\frac{4}{3}, \frac{4}{3}, \frac{8}{3}, \frac{8}{3}, \frac{7}{2}]_3$	3	$[]_2$	11	$[]_2$
42.76	$x^8 - 10x^4 - 8x^2 - 3$ $x^8 + 8x^6 - 6x^4 - 176x^2 - 363$ $x^8 - 8x^6 + 30x^4 - 27$ $x^8 - 4x^7 + 4x^5 - 74x^4 + 268x^3 - 748x^2 - 884x - 241$	2	$[\frac{4}{3}, \frac{4}{3}, \frac{8}{3}, \frac{8}{3}, \frac{7}{2}]_3$	3	$[]_2$	11	$[]_2$
42.80	$x^8 - 4x^7 + 10x^6 - 12x^5 + 9x^4 - 12x^3 + 10x^2 - 4x + 1$ $x^8 - 4x^5 + 4x^2 - 12x + 3$ $x^8 - 2x^6 - 4x^5 + 9x^4 - 4x^3 + 6x^2 - 9$ $x^8 - 6x^6 - 8x^5 + 15x^4 + 108x^3 + 196x^2 + 300x + 78$	2	$[\frac{8}{3}, \frac{8}{3}]_3$	3	$[\frac{3}{2}]_2$	7	$[]_2$
43.21	$x^8 - 4x^6 - 4x^5 - 2x^4 + 8x^3 + 8x^2 - 8$ $x^8 - 4x^7 + 6x^6 + 8x^5 - 17x^4 + 42x^2 - 44x + 9$ $x^8 + 4x^6 - 12x^5 - 14x^4 - 24x^3 - 56x^2 - 32x - 24$ $x^8 - 4x^7 + 18x^6 + 13x^4 + 16x^3 - 14x^2 - 5$	2	$[\frac{8}{3}, \frac{8}{3}]_3$	5	$[]_2$	7	$[]_4$
43.30	$x^8 - 2x^7 + 10x^6 - 26x^5 + 46x^4 - 104x^3 + 160x^2 - 128x + 256$ $x^8 - 4x^7 - 2x^6 + 20x^5 - 17x^4 - 4x^3 - 8x^2 + 14x + 25$ $x^8 - 4x^7 + 16x^6 - 34x^5 + 61x^4 - 70x^3 + 64x^2 - 34x + 10$ $x^8 - 2x^7 - 8x^6 + 28x^5 + x^4 - 104x^3 + 88x^2 + 112x - 137$	2	$[\frac{4}{3}, \frac{4}{3}]_3$	3	$[]_8$	11	$[]_6$
43.38	$x^8 + 2x^6 + 6x^4 - 30x^3 - 10x^2 - 6x + 61$ $x^8 - 11x^6 + 39x^4 - 65x^2 + 52$ $x^8 + 8x^6 + 30x^4 + 44x^2 + 13$ $x^8 - 4x^7 + 8x^6 - 4x^5 - 32x^4 + 76x^3 - 52x^2 - 8x + 16$	2	$[\frac{4}{3}, \frac{4}{3}]_3$	3	$[]_4$	13	$[]_6$
43.61	$x^8 - 2x^6 + 10x^2 - 5$ $x^8 - 4x^6 + 20x^2 - 20$ $x^8 + 8x^6 - 12x^4 - 4x^2 - 20$ $x^8 + 6x^6 + 12x^4 + 18x^2 - 45$	2	$[\frac{4}{3}, \frac{4}{3}, 2, \frac{7}{3}, \frac{7}{3}, \frac{5}{2}]_3$	3	$[]_4$	5	$[]_6$
43.61	$x^8 + 4x^6 - 20x^2 - 20$ $x^8 + 2x^6 - 10x^2 - 5$ $x^8 - 6x^6 + 12x^4 - 18x^2 - 45$ $x^8 - 8x^6 - 12x^4 + 4x^2 - 20$	2	$[\frac{4}{3}, \frac{4}{3}, 2, \frac{7}{3}, \frac{7}{3}, \frac{5}{2}]_3$	3	$[]_4$	5	$[]_6$
43.64	$x^8 - 4x^6 - 18x^4 - 12x^2 - 3$ $x^8 - 4x^7 + 10x^6 - 4x^5 - 2x^4 - 4x^3 - 6$ $x^8 + 4x^6 - 6x^4 - 60x^2 - 75$ $x^8 - 12x^6 + 6x^4 - 20x^2 - 75$	2	$[2, 2, 2, 2, 3]$	3	$[\frac{3}{2}]_2$	5	$[]_2$
43.64	$x^8 + 4x^6 - 18x^4 + 12x^2 - 3$ $x^8 - 4x^7 + 10x^6 - 16x^5 + 10x^4 - 16x^3 + 26x^2 - 44x + 23$ $x^8 - 4x^6 - 6x^4 + 60x^2 - 75$ $x^8 + 12x^6 + 6x^4 + 20x^2 - 75$	2	$[2, 2, 2, 2, 3]$	3	$[\frac{3}{2}]_2$	5	$[]_2$
43.74	$x^8 - 4x^6 - 2x^5 + 8x^4 + 4x^3 - 6x^2 - 4x + 2$ $x^8 - 2x^7 + 6x^6 - 2x^5 - 4x^4 + 20x^3 - 26x^2 + 12x - 2$ $x^8 - 2x^7 + 4x^6 + 42x^5 - 90x^4 + 2x^3 + 92x^2 - 730x - 1103$ $x^8 - 2x^7 + 40x^5 - 64x^4 + 98x^3 + 562x^2 - 1092x - 2537$	2	$[\frac{4}{3}, \frac{4}{3}, 2]_3$	3	$[]_4$	41	$[]_2$

GRD	Polynomial	Slope Data	
43.76	$x^8 - 4x^7 - 2x^6 + 20x^5 - 15x^4 - 8x^3 + 4x^2 + 4x - 2$ $x^8 - 4x^7 + 6x^6 - 4x^5 - 5x^4 + 12x^3 - 10x^2 + 4x - 1$ $x^8 - 6x^6 - 12x^5 - 25x^4 - 36x^3 - 22x^2 - 24x - 13$ $x^8 - 6x^6 - 4x^5 - 25x^4 + 144x^3 - 196x^2 + 92x - 14$	$2 \left[\frac{8}{3}, \frac{8}{3} \right]_3$	$5 []_2 \quad 19 []_2$
43.83	$x^8 - 6x^6 + 15x^4 - 14x^2 - 3$ $x^8 - 2x^6 + 3x^4 - 6x^2 - 3$ $x^8 - 2x^7 - 2x^6 + 24x^5 - 9x^4 + 20x^2 + 2x - 7$ $x^8 - 2x^7 - 12x^6 + 6x^5 + 36x^4 + 78x^3 - 24x^2 - 186x - 189$	$2 [2, 2, 2, 2]$	$3 \left[\frac{3}{2} \right]_2 \quad 11 []_2$
43.83	$x^8 + 6x^6 + 15x^4 + 14x^2 - 3$ $x^8 + 2x^6 + 3x^4 + 6x^2 - 3$ $x^8 - 2x^7 + 4x^6 - 18x^5 + 21x^4 - 18x^3 + 88x^2 - 68x - 41$ $x^8 - 2x^7 + 14x^6 + 12x^4 + 132x^3 + 36x^2 + 24x + 12$	$2 [2, 2, 2, 2]$	$3 \left[\frac{3}{2} \right]_2 \quad 11 []_2$
43.93	$x^8 + 4x^6 - 4x^5 + 16x^4 - 12x^3 + 12x^2 - 24x - 3$ $x^8 - 8x^6 - 4x^5 + 26x^4 + 4x^3 - 48x^2 + 40x - 14$ $x^8 - 4x^5 - 4x^3 + 1$ $x^8 - 8x^6 - 8x^5 + 20x^4 + 44x^3 - 52x - 47$	$2 \left[2, \frac{8}{3}, \frac{8}{3} \right]_3$	$3 []_4 \quad 5 []_6$
44.18	$x^8 - 28x^3 + 56x^2 - 20x - 7$ $x^8 - 4x^7 + 28x^4 + 16x - 8$ $x^8 - 4x^7 + 4x^6 - 4x^5 + 6x^4 + 12x^3 + 20x^2 - 84x + 21$ $x^8 - 4x^7 + 16x^6 - 28x^5 + 18x^4 + 52x^3 - 104x^2 + 76x - 11$	$2 \left[2, \frac{8}{3}, \frac{8}{3} \right]_3$	$3 []_2 \quad 7 []_6$
44.26	$x^8 + 2x^6 + 4x^4 - 2x^2 - 9$ $x^8 - 2x^6 + 4x^4 + 2x^2 - 9$ $x^8 - 2x^6 - 76x^4 + 322x^2 - 49$ $x^8 + 2x^6 - 76x^4 - 322x^2 - 49$	$2 \left[\frac{4}{3}, \frac{4}{3}, 2, \frac{7}{3}, \frac{7}{3}, \frac{5}{2} \right]_3$	$5 []_4 \quad 7 []_2$
44.26	$x^8 + 4x^6 - 4x^4 + 4x^2 - 4$ $x^8 - 4x^6 - 4x^4 - 4x^2 - 4$ $x^8 - 6x^6 + 16x^4 + 14x^2 - 49$ $x^8 + 6x^6 + 16x^4 - 14x^2 - 49$	$2 \left[\frac{4}{3}, \frac{4}{3}, 2, \frac{7}{3}, \frac{7}{3}, \frac{5}{2} \right]_3$	$5 []_4 \quad 7 []_2$
44.50	$x^8 - 4x^7 + 4x^6 - 8x^5 + 21x^4 - 24x^3 + 8x^2 + 6x - 3$ $x^8 - 2x^6 - 12x^5 + 9x^4 + 8x^3 + 4x^2 + 12x + 12$ $x^8 - 2x^7 + 4x^6 - 12x^5 + 27x^4 - 16x^3 + 8x^2 - 32x + 48$ $x^8 - 2x^7 - 8x^6 + 18x^5 + 5x^4 - 46x^3 + 54x^2 + 62x - 87$	$2 \left[\frac{4}{3}, \frac{4}{3} \right]_3$	$3 []_2 \quad 131 []_2$
44.56	$x^8 - 6x^6 + 4x^4 - 4x^2 - 8$ $x^8 + x^6 + 17x^4 - 13x^2 - 2$ $x^8 + 6x^6 + 4x^4 - 34x^2 - 8$ $x^8 - x^6 - 2x^4 - 6x^2 - 2$	$2 \left[\frac{4}{3}, \frac{4}{3}, 2, 3 \right]_3$	$19 []_4$
44.59	$x^8 - 2x^6 + 8x^2 - 4$ $x^8 + 2x^6 - 8x^2 - 4$ $x^8 - 6x^6 - 48x^2 - 36$ $x^8 + 6x^6 + 48x^2 - 36$	$2 \left[\frac{4}{3}, \frac{4}{3}, 2, \frac{7}{3}, \frac{7}{3}, 3 \right]_3$	$3 \left[\frac{5}{2} \right]_2$
44.59	$x^8 + 4x^6 - 6x^2 + 3$ $x^8 - 4x^6 + 6x^2 + 3$ $x^8 + 6x^6 + 12x^4 + 16x^2 + 3$ $x^8 - 6x^6 + 12x^4 - 16x^2 + 3$	$2 \left[\frac{4}{3}, \frac{4}{3}, 2, \frac{7}{3}, \frac{7}{3}, 3 \right]_3$	$3 \left[\frac{5}{2} \right]_2$
44.75	$x^8 - 2x^7 + 8x^6 - 2x^5 - 2x^3 + 20x^2 + 18x + 21$ $x^8 - 2x^7 - 6x^6 + 12x^5 + 14x^4 - 24x^3 - 12x^2 + 12x - 2$ $x^8 - 2x^7 - 4x^6 + 14x^5 - 32x^4 + 34x^3 + 22x + 5$ $x^8 - 2x^7 - 4x^6 + 38x^5 - 16x^4 - 110x^3 + 172x^2 + 94x + 137$	$2 [2, 2, 2]$	$3 []_2 \quad 59 []_2$

GRD	Polynomial	Slope Data
44.75	$x^8 - 2x^7 - 6x^6 - 14x^4 - 40x^3 - 44x^2 - 20x - 2$ $x^8 - 2x^7 + 12x^6 - 26x^5 + 36x^4 - 26x^3 + 12x^2 - 2x + 1$ $x^8 - 2x^7 + 10x^6 - 12x^5 + 42x^4 - 76x^3 + 176x^2 - 176x + 150$ $x^8 - 2x^7 + 4x^6 - 22x^5 + 64x^4 - 178x^3 + 220x^2 - 62x + 5$	$2 [2, 2, 2]$ $3 []_2$ $59 []_2$