



Petits discriminants de polynômes irréductibles de $\mathbb{Z}[x]$

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PETITS DISCRIMINANTS DE POLYNÔMES IRRÉDUCTIBLES DE $\mathbb{Z}[x]$

DENIS SIMON

Dans ce document, je recense les polynômes irréductibles de $\mathbb{Z}[x]$ ayant les plus petits discriminants non nuls connus pour chaque degré compris entre 2 et 50 et chaque signature. Ces polynômes sont extraits des fichiers disponibles sur <https://simond.users.lmno.cnrs.fr/maths/TableSmallDisc.html>

Pour chaque polynôme, les informations suivantes sont données :

- d : le degré
- r_1 : le nombre de racines réelles.
- Disc : le discriminant.
- $R = \sqrt[d]{|\text{Disc}|}$: le root-discriminant.
- P : le polynôme exprimé dans la base canonique de $\mathbb{Z}[x]$ ou dans la base T_n décrite ci-dessous.

Les polynômes T_n forment une base qui est souvent adaptée aux polynômes qui ont un grand nombre de racines réelles. À une normalisation près, ce sont les polynômes de Tchebychev de seconde espèce. Ils sont définis par récurrence par $T_0 = 1$, $T_1 = x$ et la relation $T_{n+1} = xT_n - T_{n-1}$. Ce sont des polynômes de $\mathbb{Z}[x]$. Chaque T_n est unitaire de degré n et satisfait la relation

$$\sin((n+1)\theta) = T_n(2\cos(\theta))\sin(\theta)$$

pour tout $\theta \in \mathbb{R}$. Les premiers éléments de cette base sont

$$\begin{aligned} T_0 &= 1 \\ T_1 &= x \\ T_2 &= x^2 - 1 \\ T_3 &= x^3 - 2x \\ T_4 &= x^4 - 3x^2 + 1 \\ T_5 &= x^5 - 4x^3 + 3x \\ T_6 &= x^6 - 5x^4 + 6x^2 - 1. \end{aligned}$$

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$$\begin{aligned}
&\mathbf{d} = \mathbf{2}; \mathbf{r_1} = \mathbf{0}; \\
&\text{Disc} = -3 \\
&R = 1.73205 \\
&P = x^2 + x + 1 \\
&\mathbf{d} = \mathbf{2}; \mathbf{r_1} = \mathbf{2}; \\
&\text{Disc} = 5 \\
&R = 2.23607 \\
&P = T_2 + T_1
\end{aligned}$$

$\mathbf{d} = \mathbf{3}; \mathbf{r}_1 = \mathbf{1};$
 $\text{Disc} = -23$
 $R = 2.84387$
 $P = x^3 - x + 1$

$\mathbf{d} = \mathbf{3}; \mathbf{r}_1 = \mathbf{3};$
 $\text{Disc} = 49$
 $R = 3.65931$
 $P = T_3 + T_2$

d = 4; r₁ = 0;
 Disc = 117
 $R = 3.28887$
 $P = x^4 + x^3 - x^2 - x + 1$

d = 4; r₁ = 2;
 Disc = -275
 $R = 4.07224$
 $P = x^4 + x^3 - 2x - 1$

d = 4; r₁ = 4;
 Disc = 725
 $R = 5.18901$
 $P = T_4 + T_3 + T_1$

$\mathbf{d} = \mathbf{5}; \mathbf{r}_1 = \mathbf{1};$
 $\text{Disc} = 1609$
 $R = 4.37836$
 $P = x^5 - x^3 - x^2 + x + 1$

$\mathbf{d} = \mathbf{5}; \mathbf{r}_1 = \mathbf{3};$
 $\text{Disc} = -4511$
 $R = 5.38090$
 $P = x^5 - x^3 - 2x^2 + 1$

$\mathbf{d} = \mathbf{5}; \mathbf{r}_1 = \mathbf{5};$
 $\text{Disc} = 14641$
 $R = 6.80948$
 $P = T_5 + T_4$

d = 6; r₁ = 0;

$$\text{Disc} = -9747$$

$$R = 4.62181$$

$$P = x^6 + x^4 + x^3 - 2x^2 - x + 1$$

d = 6; r₁ = 2;

$$\text{Disc} = 28037$$

$$R = 5.51174$$

$$P = x^6 + x^5 + 2x^3 - x^2 - 3x - 1$$

d = 6; r₁ = 4;

$$\text{Disc} = -92779$$

$$R = 6.72835$$

$$P = T_6 + T_5 + 3T_4 + T_3 + 2T_2 + T_1 + 1$$

d = 6; r₁ = 6;

$$\text{Disc} = 300125$$

$$R = 8.18246$$

$$P = T_6 + T_5 - 2T_4 + 2T_3 - 5T_2 + 3T_1 - 3$$

d = 7; r₁ = 1;

$$\text{Disc} = -184607$$

$$R = 5.65355$$

$$P = x^7 + x^6 - x^5 - x^4 + x^2 + x - 1$$

d = 7; r₁ = 3;

$$\text{Disc} = 612233$$

$$R = 6.70969$$

$$P = x^7 + x^6 + x^5 - x^3 - x^2 - x + 1$$

d = 7; r₁ = 5;

$$\text{Disc} = -2306599$$

$$R = 8.10954$$

$$P = x^7 - 3x^5 - x^4 + x^3 + 3x^2 + x - 1$$

d = 7; r₁ = 7;

$$\text{Disc} = 20134393$$

$$R = 11.05146$$

$$P = T_7 + T_6 - 2T_3 - T_2 - 2T_1 - 1$$

d = 8; r₁ = 0;
 Disc = 1257728
 $R = 5.78693$
 $P = x^8 + 2x^7 - 4x^5 - 4x^4 + 3x^2 + 2x + 1$

d = 8; r₁ = 2;
 Disc = -4286875
 $R = 6.74555$
 $P = T_8 + T_7 + 3T_6 + 3T_4 - 3T_3 - 5T_1$

d = 8; r₁ = 4;
 Disc = 15297613
 $R = 7.90821$
 $P = x^8 + 2x^7 + x^4 - 5x^3 - x^2 + 4x - 1$

d = 8; r₁ = 6;
 Disc = -65106259
 $R = 9.47770$
 $P = T_8 + 2T_6 - T_5 + 2T_4 + T_1$

d = 8; r₁ = 8;
 Disc = 282300416
 $R = 11.38515$
 $P = T_8 + 2T_7 - 7T_4 - 6T_3 - 11T_2 - 8T_1 - 6$

d = 9; r₁ = 1;

$$\text{Disc} = 29510281$$

$$R = 6.76078$$

$$P = x^9 - x^7 - 2x^6 + x^5 + 3x^4 + x^3 - x^2 - 2x + 1$$

d = 9; r₁ = 3;

$$\text{Disc} = -109880167$$

$$R = 7.82412$$

$$P = x^9 + 2x^8 + x^7 - x^6 - 3x^5 - x^4 + 3x^3 - 2x + 1$$

d = 9; r₁ = 5;

$$\text{Disc} = 453771377$$

$$R = 9.15948$$

$$P = x^9 - 3x^7 - x^5 - 2x^4 + 3x^3 + 3x^2 - x - 1$$

d = 9; r₁ = 7;

$$\text{Disc} = -1904081383$$

$$R = 10.74178$$

$$P = x^9 + 3x^8 - x^7 - 7x^6 - 3x^5 - 4x^4 - 2x^3 + 6x^2 + 5x + 1$$

d = 9; r₁ = 9;

$$\text{Disc} = 9685993193$$

$$R = 12.86979$$

$$P = T_9 + 2T_8 + T_7 + 3T_6 - 5T_2 + T_1 - 3$$

d = 10; r₁ = 0;
 Disc = -209352647
 $R = 6.79341$
 $P = x^{10} + 2x^9 + 2x^8 - x^7 - 4x^6 - 3x^5 + 5x^4 + 12x^3 + 11x^2 + 5x + 1$

d = 10; r₁ = 2;
 Disc = 799905449
 $R = 7.76790$
 $P = x^{10} + x^9 - x^7 + x^6 + x^5 - x^4 - x^3 + x - 1$

d = 10; r₁ = 4;
 Disc = -3120654523
 $R = 8.90071$
 $P = x^{10} + 2x^9 + 2x^8 + 7x^7 + 8x^6 + 3x^5 + 8x^4 + 7x^3 + 2x^2 + 2x + 1$

d = 10; r₁ = 6;
 Disc = 14002335917
 $R = 10.34237$
 $P = x^{10} + x^9 - x^8 - 4x^7 - 4x^6 + 8x^4 + 3x^3 - 5x^2 - x + 1$

d = 10; r₁ = 8;
 Disc = -70952789611
 $R = 12.16458$
 $P = x^{10} + x^9 - 7x^8 - x^7 + 16x^6 - 6x^5 - 14x^4 + 8x^3 + 6x^2 - 2x - 1$

d = 10; r₁ = 10;
 Disc = 443952558373
 $R = 14.61281$
 $P = x^{10} + x^9 - 11x^8 - 9x^7 + 29x^6 + 16x^5 - 26x^4 - 10x^3 + 9x^2 + 2x - 1$

d = 11; r₁ = 1;
 Disc = -5781612911
 $R = 7.71719$
 $P = x^{11} + 4x^{10} + 6x^9 + 2x^8 - 3x^7 - x^6 + 5x^5 + 3x^4 - 4x^3 - 7x^2 - 4x - 1$

d = 11; r₁ = 3;
 Disc = 23653561333
 $R = 8.77165$
 $P = x^{11} + 2x^{10} - 4x^9 + 4x^8 + 5x^7 - 9x^6 + 5x^4 - 5x^3 - 3x^2 + 2x + 1$

d = 11; r₁ = 5;
 Disc = -100898584967
 $R = 10.00814$
 $P = x^{11} - 6x^9 + 5x^8 + 7x^7 - 16x^6 + 6x^5 - 2x^4 + 15x^3 - 17x^2 + 7x - 1$

d = 11; r₁ = 7;
 Disc = 481099838761
 $R = 11.53510$
 $P = x^{11} + x^{10} - 7x^9 - 2x^8 + 13x^7 - 8x^6 - 10x^5 + 15x^4 + 5x^3 - 7x^2 - x + 1$

d = 11; r₁ = 9;
 Disc = -2301072608111
 $R = 13.29878$
 $P = x^{11} + 2x^{10} - 5x^9 - 4x^8 + 9x^7 - 9x^6 - 5x^5 + 24x^4 - 6x^3 - 12x^2 + 7x - 1$

d = 11; r₁ = 11;
 Disc = 30733206894581
 $R = 16.83240$
 $P = T_{11} + 2T_{10} + T_9 + 4T_8 + T_7 + 5T_6 + T_5 + 5T_4 + T_3 + 4T_2 + T_1 + 1$

d = 12; r₁ = 0;
 Disc = 41223887921
 $R = 7.66648$
 $P = x^{12} + x^{11} + x^{10} + 5x^9 + 4x^8 + 4x^7 + 9x^6 + 4x^5 + 4x^4 + 5x^3 + x^2 + x + 1$

d = 12; r₁ = 2;
 Disc = -167630295667
 $R = 8.61713$
 $P = x^{12} + 3x^{11} + 4x^{10} + x^9 - 6x^8 - 15x^7 - 19x^6 - 15x^5 - 6x^4 + x^3 + 4x^2 + 3x + 1$

d = 12; r₁ = 4;
 Disc = 734297685397
 $R = 9.74592$
 $P = x^{12} + x^{11} - 2x^{10} - x^9 + 2x^8 + x^7 - x^6 - x^5 + 2x^4 + x^3 - 2x^2 - x + 1$

d = 12; r₁ = 6;
 Disc = -3483686489567
 $R = 11.09609$
 $P = x^{12} + 3x^{11} - 8x^9 - 7x^8 + 2x^7 + 3x^6 + 5x^5 + 8x^4 + 3x^3 - 4x^2 - 4x - 1$

d = 12; r₁ = 8;
 Disc = 16135716339712
 $R = 12.60808$
 $P = T_{12} + T_{10} - 2T_9 - T_8 - 4T_7 - 4T_6 - 8T_5 - 8T_4 - 10T_3 - 9T_2 - 8T_1 - 5$

d = 12; r₁ = 10;
 Disc = -99673753598563
 $R = 14.67400$
 $P = x^{12} + x^{11} - 7x^{10} - 10x^9 + 8x^8 + 28x^7 + 10x^6 - 33x^5 - 18x^4 + 18x^3 + 7x^2 - 3x - 1$

d = 12; r₁ = 12;
 Disc = 519708953453125
 $R = 16.83889$
 $P = T_{12} + T_{11} - 3T_{10} + 3T_9 - 14T_8 + 7T_7 - 17T_6 + 2T_5 + 2T_4 - 11T_3 + 25T_2 - 16T_1 + 15$

d = 13; r₁ = 1;
 Disc = 1270851608261
 $R = 8.53266$
 $P = x^{13} + 2x^{12} - 2x^{11} - 2x^{10} + 6x^9 - 3x^8 - 7x^7 + 9x^6 - x^5 - 6x^4 + 6x^3 - x^2 - 2x + 1$

d = 13; r₁ = 3;
 Disc = -5570916369223
 $R = 9.55996$
 $P = x^{13} + x^{12} - 5x^{11} - 7x^{10} + 12x^9 + 22x^8 - 6x^7 - 32x^6 - 14x^5 + 15x^4 + 16x^3 + 2x^2 - 3x - 1$

d = 13; r₁ = 5;
 Disc = 26879442853189
 $R = 10.79027$
 $P = x^{13} + 3x^{12} - 2x^{11} - 11x^{10} + 3x^9 + 21x^8 - 8x^7 - 22x^6 + 16x^5 + 9x^4 - 12x^3 + x^2 + 3x - 1$

d = 13; r₁ = 7;
 Disc = -136081103317703
 $R = 12.22405$
 $P = x^{13} + 3x^{12} - x^{11} - 11x^{10} - 9x^9 + 10x^8 + 23x^7 + 7x^6 - 22x^5 - 18x^4 + 14x^3 + 7x^2 - 6x + 1$

d = 13; r₁ = 9;
 Disc = 697158311266793
 $R = 13.86101$
 $P = T_{13} + T_{12} - T_{11} + 5T_{10} - 11T_9 + 13T_8 - 20T_7 + 14T_6 - 5T_5 - 2T_4 + 28T_3 - 21T_2 + 36T_1 - 13$

d = 13; r₁ = 11;
 Disc = -4161299413431551
 $R = 15.90300$
 $P = x^{13} + x^{12} - 9x^{11} - 5x^{10} + 27x^9 + 6x^8 - 29x^7 + 3x^6 + x^5 - 6x^4 + 12x^3 - 4x + 1$

d = 13; r₁ = 13;
 Disc = 50359924122392641
 $R = 19.26530$
 $P = T_{13} + 2T_{12} + T_{11} - T_{10} - 6T_9 - 8T_8 - 8T_7 - 5T_6 + 2T_5 + 9T_4 + 18T_3 + 20T_2 + 19T_1 + 10$

d = 14; r₁ = 0;
 Disc = -9669040949311
 R = 8.46306
 $P = x^{14} + x^{13} + 3x^{12} + 6x^{11} + 5x^{10} + 9x^9 + 11x^8 + 7x^7 + 11x^6 + 9x^5 + 5x^4 + 6x^3 + 3x^2 + x + 1$

d = 14; r₁ = 2;
 Disc = 43889576079389
 R = 9.42876
 $P = x^{14} + 4x^{13} + 6x^{12} - 2x^{11} - 9x^{10} - 16x^9 + 4x^8 + 19x^7 + 4x^6 - 2x^5 - 16x^4 + 3x^3 + 10x^2 - 6x + 1$

d = 14; r₁ = 4;
 Disc = -201198213797319
 R = 10.51205
 $P = T_{14} + 4T_{12} + 2T_{11} + 9T_{10} + 7T_9 + 15T_8 + 11T_7 + 21T_6 + 14T_5 + 23T_4 + 13T_3 + 16T_2 + 9T_1 + 6$

d = 14; r₁ = 6;
 Disc = 1022452539185893
 R = 11.80640
 $P = x^{14} + x^{13} - 3x^{12} - 4x^{11} + 5x^9 + 7x^8 + x^7 - 5x^6 - 8x^5 - 3x^4 + 4x^3 + 4x^2 + 2x - 1$

d = 14; r₁ = 8;
 Disc = -5221080604842703
 R = 13.26469
 $P = x^{14} + 3x^{13} - 3x^{12} - 12x^{11} + 2x^{10} - 18x^8 + 56x^7 + 74x^6 - 76x^5 - 95x^4 + 18x^3 + 37x^2 + 11x + 1$

d = 14; r₁ = 10;
 Disc = 33396144189069877
 R = 15.14482
 $P = x^{14} + 5x^{13} - x^{12} - 37x^{11} - 26x^{10} + 107x^9 + 104x^8 - 152x^7 - 160x^6 + 109x^5 + 111x^4 - 38x^3 - 29x^2 + 6x + 1$

d = 14; r₁ = 12;
 Disc = -159818243295165811
 R = 16.93676
 $P = T_{14} + 3T_{13} + 4T_{12} + 11T_{11} - 4T_{10} + 23T_9 - 31T_8 + 44T_7 - 64T_6 + 67T_5 - 76T_4 + 79T_3 - 56T_2 + 55T_1 - 21$

d = 14; r₁ = 14;
 Disc = 1776478047975643577
 R = 20.11592
 $P = T_{14} - 5T_{12} - 7T_{11} - 32T_{10} - 28T_9 - 73T_8 - 63T_7 - 95T_6 - 92T_5 - 75T_4 - 92T_3 - 35T_2 - 56T_1 - 7$

d = 15; r₁ = 1 ;
 Disc = -323960158959551
 R = 9.27611
 $P = x^{15} + 3x^{14} + 7x^{13} + 15x^{12} + 28x^{11} + 47x^{10} + 68x^9 + 86x^8 + 93x^7 + 88x^6 + 72x^5 + 50x^4 + 29x^3 + 14x^2 + 5x + 1$

d = 15; r₁ = 3 ;
 Disc = 1708531626522121
 R = 10.36354
 $P = x^{15} + x^{14} - 4x^{13} - 5x^{12} + 7x^{11} + 10x^{10} - 9x^9 - 12x^8 + 10x^7 + 12x^6 - 8x^5 - 8x^4 + 4x^3 + 3x^2 - 2x - 1$

d = 15; r₁ = 5 ;
 Disc = -8377424447618887
 R = 11.52234
 $P = x^{15} + x^{14} - 9x^{13} - 5x^{12} + 28x^{11} + 8x^{10} - 38x^9 - 3x^8 + 23x^7 - 4x^6 - 6x^5 + 4x^4 - x^3 - x^2 + 2x + 1$

d = 15; r₁ = 7 ;
 Disc = 41914533117187561
 R = 12.82796
 $P = x^{15} + 5x^{14} + 8x^{13} - 6x^{12} - 38x^{11} - 28x^{10} + 58x^9 + 82x^8 - 43x^7 - 98x^6 + 21x^5 + 61x^4 - 15x^3 - 16x^2 + 8x - 1$

d = 15; r₁ = 9 ;
 Disc = -238478158000063087
 R = 14.40445
 $P = x^{15} + x^{14} - 7x^{13} - 15x^{12} + 9x^{11} + 46x^{10} + 20x^9 - 39x^8 - 50x^7 - 10x^6 + 26x^5 + 23x^4 + 4x^3 - 5x^2 - 4x - 1$

d = 15; r₁ = 11 ;
 Disc = 1329301327997487089
 R = 16.15257
 $P = T_{15} + 2T_{14} + 7T_{13} + 10T_{12} + 16T_{11} + 21T_{10} + 20T_9 + 29T_8 + 14T_7 + 34T_6 + 7T_5 + 40T_4 + 6T_3 + 37T_2 + 6T_1 + 16$

d = 15; r₁ = 13 ;
 Disc = -8577019276761552679
 R = 18.29037
 $P = T_{15} + 2T_{14} + T_{13} - 4T_{11} - 6T_{10} - 12T_9 - 7T_8 - 7T_7 + 5T_6 + 9T_5 + 24T_4 + 24T_3 + 28T_2 + 20T_1 + 13$

d = 15; r₁ = 15 ;
 Disc = 104722019350147712437
 R = 21.61072
 $P = T_{15} + T_{14} - T_{13} + 3T_{12} - 6T_{11} + 6T_{10} - 12T_9 + 11T_8 - 14T_7 + 14T_6 - 12T_5 + 13T_4 - 7T_3 + 8T_2 - 3T_1 + 3$

d = 16; r₁ = 0;
 Disc = 2537739461712361
 R = 9.17863
 $P = x^{16} + 4x^{15} + 5x^{14} - 3x^{13} - 15x^{12} - 17x^{11} - 3x^{10} + 16x^9 + 25x^8 + 16x^7 - 3x^6 - 17x^5 - 15x^4 - 3x^3 + 5x^2 + 4x + 1$

d = 16; r₁ = 2;
 Disc = -11705685949886767
 R = 10.09892
 $P = x^{16} + x^{15} - 3x^{14} + 2x^{13} + 8x^{12} - 10x^{11} - 6x^{10} + 18x^9 - 7x^8 - 15x^7 + 16x^6 + 2x^5 - 11x^4 + 5x^3 + 2x^2 - 3x + 1$

d = 16; r₁ = 4;
 Disc = 60198796285311529
 R = 11.18727
 $P = x^{16} + 2x^{15} + 3x^{14} - x^{13} - 6x^{12} - 10x^{11} - 4x^{10} + 6x^9 + 10x^8 + 6x^7 - 2x^6 - 2x^5 + x^4 + x^3 - 2x^2 - 3x - 1$

d = 16; r₁ = 6;
 Disc = -347414837955720307
 R = 12.48254
 $P = x^{16} + 4x^{15} + 2x^{14} - 14x^{13} - 27x^{12} - 8x^{11} + 65x^{10} + 106x^9 + 11x^8 - 97x^7 - 104x^6 - 47x^5 + 20x^4 + 48x^3 + 31x^2 + 9x + 1$

d = 16; r₁ = 8;
 Disc = 1755901138757832881
 R = 13.81279
 $P = T_{16} + T_{15} + 2T_{14} + 3T_{12} - 6T_{11} + 5T_{10} - 15T_9 + 7T_8 - 20T_7 + 6T_6 - 19T_5 + 6T_4 - 16T_3 + 6T_2 - 11T_1 + 3$

d = 16; r₁ = 10;
 Disc = -10857606161018178571
 R = 15.47866
 $P = x^{16} - 2x^{14} + 7x^{13} - 19x^{12} + 8x^{11} + 14x^{10} - 61x^9 + 147x^8 - 196x^7 + 228x^6 - 214x^5 + 97x^4 + 9x^3 - 26x^2 + 9x - 1$

d = 16; r₁ = 12;
 Disc = 73202008830171545329
 R = 17.43945
 $P = T_{16} + 2T_{15} + 5T_{14} + 5T_{13} + 11T_{12} + 9T_{11} + 18T_{10} + 11T_9 + 25T_8 + 10T_7 + 27T_6 + 7T_5 + 25T_4 + 4T_3 + 17T_2 + T_1 + 6$

d = 16; r₁ = 14;
 Disc = -555140099180517139403
 R = 19.79362
 $P = x^{16} + 6x^{15} + 3x^{14} - 43x^{13} - 63x^{12} + 111x^{11} + 227x^{10} - 126x^9 - 339x^8 + 78x^7 + 215x^6 - 65x^5 - 38x^4 + 46x^3 - 8x^2 - 7x + 1$

d = 16; r₁ = 16;
 Disc = 3812530273766181677869
 R = 22.32677
 $P = x^{16} + 6x^{15} - 11x^{14} - 89x^{13} - 15x^{12} + 349x^{11} + 242x^{10} - 495x^9 - 488x^8 + 265x^7 + 394x^6 - 9x^5 - 138x^4 - 35x^3 + 15x^2 + 8x + 1$

d = 17; r₁ = 1;
 Disc = 92165340648418949
 R = 9.95212
 $P = x^{17} + 2x^{15} - x^{14} - x^{12} - 3x^{11} + x^{10} - 6x^9 + 8x^8 - 13x^7 + 19x^6 - 20x^5 + 21x^4 - 14x^3 + 9x^2 - 3x + 1$

d = 17; r₁ = 3;
 Disc = -505760476717972799
 R = 11.00040
 $P = x^{17} + x^{16} - 4x^{15} - 9x^{14} + 2x^{13} + 21x^{12} + 18x^{11} - 14x^{10} - 34x^9 - 15x^8 + 17x^7 + 25x^6 + 8x^5 - 8x^4 - 9x^3 - 2x^2 + 2x + 1$

d = 17; r₁ = 5;
 Disc = 2695791739002464689
 R = 12.13830
 $P = x^{17} + 2x^{16} - 3x^{15} - 12x^{14} - 19x^{13} + 9x^{12} + 78x^{11} + 89x^{10} - 41x^9 - 178x^8 - 116x^7 + 74x^6 + 138x^5 + 47x^4 - 29x^3 - 29x^2 - 9x - 1$

d = 17; r₁ = 7;
 Disc = -15411478317011537879
 R = 13.44921
 $P = x^{17} + 2x^{16} - 6x^{15} - 8x^{14} + 20x^{13} + 5x^{12} - 40x^{11} + 24x^{10} + 36x^9 - 51x^8 + x^7 + 36x^6 - 22x^5 - 8x^4 + 12x^3 - 2x^2 - 2x + 1$

d = 17; r₁ = 9;
 Disc = 92786766623659216321
 R = 14.94714
 $P = x^{17} + 2x^{16} - 9x^{15} - 17x^{14} + 48x^{13} + 111x^{12} - 124x^{11} - 463x^{10} - 152x^9 + 461x^8 + 333x^7 - 160x^6 - 192x^5 + 6x^4 + 46x^3 + 7x^2 - 4x - 1$

d = 17; r₁ = 11;
 Disc = -532045231630397083603
 R = 16.56431
 $P = T_{17} + 2T_{15} + T_{14} + 4T_{13} + 3T_{12} + 7T_{11} + 6T_{10} + 11T_9 + 9T_8 + 13T_7 + 10T_6 + 13T_5 + 9T_4 + 11T_3 + 8T_2 + 7T_1 + 3$

d = 17; r₁ = 13;
 Disc = 5784212754936187852697
 R = 19.06040
 $P = T_{17} + T_{16} + T_{15} + 2T_{14} + 3T_{13} + 4T_{12} + 4T_{11} + 5T_{10} + 5T_9 + 5T_8 + 6T_7 + 6T_6 + 6T_5 + 5T_4 + 4T_3 + 4T_2 + 2T_1 + 1$

d = 17; r₁ = 15;
 Disc = -39114499924829395956431
 R = 21.32854
 $P = x^{17} - 18x^{15} - 10x^{14} + 97x^{13} + 63x^{12} - 238x^{11} - 151x^{10} + 293x^9 + 173x^8 - 174x^7 - 96x^6 + 38x^5 + 20x^4 + 4x^3 + 2x^2 - 2x - 1$

d = 17; r₁ = 17;
 Disc = 1124638082938840872062053
 R = 25.98756
 $P = T_{17} + 2T_{16} + T_{15} + 2T_{14} + 3T_{13} + 3T_{12} + 4T_{11} + 4T_{10} + 5T_9 + 4T_8 + 5T_7 + 5T_6 + 6T_5 + 3T_4 + 3T_3 + 3T_2 + 2T_1 + 1$

d = 18; r₁ = 0;

$$\text{Disc} = -800435637468151019$$

$$R = 9.87710$$

$$P = x^{18} + 9x^{17} + 37x^{16} + 92x^{15} + 154x^{14} + 173x^{13} + 102x^{12} - 58x^{11} - 231x^{10} - 307x^9 - 231x^8 - 58 \times x^7 + 102x^6 + 173x^5 + 154x^4 + 92x^3 + 37x^2 + 9x + 1$$

d = 18; r₁ = 2;

$$\text{Disc} = 3882675302999984089$$

$$R = 10.78275$$

$$P = x^{18} + 2x^{17} + 2x^{16} + 3x^{15} + 3x^{14} - 9x^{13} - 26x^{12} - 18x^{11} + 20x^{10} + 43x^9 + 20x^8 - 18x^7 - 26x^6 - 9 \times x^5 + 3x^4 + 3x^3 + 2x^2 + 2x + 1$$

d = 18; r₁ = 4;

$$\text{Disc} = -21960508005098221571$$

$$R = 11.87232$$

$$P = x^{18} + 7x^{17} + 26x^{16} + 66x^{15} + 117x^{14} + 146x^{13} + 106x^{12} - 11x^{11} - 145x^{10} - 207x^9 - 145x^8 - 11 \times x^7 + 106x^6 + 146x^5 + 117x^4 + 66x^3 + 26x^2 + 7x + 1$$

d = 18; r₁ = 6;

$$\text{Disc} = 103490001981114866569$$

$$R = 12.94013$$

$$P = x^{18} + x^{17} - 4x^{16} - 8x^{15} + x^{14} + 15x^{13} + 15x^{12} - 13x^{10} - 17x^9 - 13x^8 + 15x^6 + 15x^5 + x^4 - 8x^3 - 4x^2 + x + 1$$

d = 18; r₁ = 8;

$$\text{Disc} = -582874259731366575131$$

$$R = 14.24436$$

$$P = x^{18} + 11x^{17} + 45x^{16} + 74x^{15} + 5x^{14} - 83x^{13} + 100x^{12} + 344x^{11} + 92x^{10} - 207x^9 + 92x^8 + 344x^7 + 100 \times x^6 - 83x^5 + 5x^4 + 74x^3 + 45x^2 + 11x + 1$$

d = 18; r₁ = 10;

$$\text{Disc} = 3640017966929250412141$$

$$R = 15.77027$$

$$P = x^{18} + 5x^{17} - x^{16} - 38x^{15} - 24x^{14} + 130x^{13} + 101x^{12} - 286x^{11} - 191x^{10} + 455x^9 + 225x^8 - 488 \times x^7 - 179x^6 + 302x^5 + 79x^4 - 90x^3 - 10x^2 + 11x - 1$$

d = 18; r₁ = 12;

$$\text{Disc} = -25374873195597631381327$$

$$R = 17.56666$$

$$P = x^{18} + 9x^{17} + 24x^{16} - 12x^{15} - 159x^{14} - 189x^{13} + 234x^{12} + 663x^{11} + 235x^{10} - 684x^9 - 828x^8 - 27 \times x^7 + 580x^6 + 387x^5 - 22x^4 - 133x^3 - 64x^2 - 13x - 1$$

d = 18; r₁ = 14;

$$\text{Disc} = 186911534669161981600601$$

$$R = 19.62767$$

$$P = x^{18} + 3x^{17} - 19x^{16} - 64x^{15} + 77x^{14} + 346x^{13} - 57x^{12} - 770x^{11} - 164x^{10} + 865x^9 + 382x^8 - 510 \times x^7 - 345x^6 + 126x^5 + 150x^4 + 12x^3 - 24x^2 - 9x - 1$$

d = 18; r₁ = 16;

$$\text{Disc} = -1080694888369248859733231$$

$$R = 21.63743$$

$$P = x^{18} + 9x^{17} + 20x^{16} - 44x^{15} - 218x^{14} - 42x^{13} + 799x^{12} + 686x^{11} - 1405x^{10} - 1778x^9 + 1211x^8 + 2076 \times x^7 - 391x^6 - 1148x^5 - 57x^4 + 253x^3 + 40x^2 - 12x - 1$$

d = 18; r₁ = 18;

$$\text{Disc} = 14987061775941381968820129$$

$$R = 25.04096$$

$$P = T_{18} + 8T_{17} + 15T_{16} + 17T_{15} + 71T_{14} - 5T_{13} + 62T_{12} + 23T_{11} - 305T_{10} + 263T_9 - 948T_8 + 585T_7 - 1047 \times T_6 + 570T_5 - 127T_4 + 181T_3 + 825T_2 - 95T_1 + 544$$

d = 19; r₁ = 1;

$$\text{Disc} = -30770367308392560491$$

$$R = 10.60941$$

$$P = x^{19} + 2x^{18} + 5x^{17} + 9x^{16} + 15x^{15} + 24x^{14} + 33x^{13} + 43x^{12} + 53x^{11} + 59x^{10} + 63x^9 + 62x^8 + 57x^7 + 49x^6 + 38x^5 + 27x^4 + 17x^3 + 9x^2 + 4x + 1$$

d = 19; r₁ = 3;

$$\text{Disc} = 183954431280778429361$$

$$R = 11.65638$$

$$P = x^{19} + x^{18} - 4x^{16} - 6x^{15} - 3x^{14} + 6x^{13} + 14x^{12} + 10x^{11} - 2x^{10} - 15x^9 - 15x^8 - 5x^7 + 7x^6 + 10x^5 + 6x^4 - 3x^2 - 2x - 1$$

d = 19; r₁ = 5;

$$\text{Disc} = -1297909598223721135171$$

$$R = 12.91884$$

$$P = T_{19} + T_{18} + 3T_{17} + 3T_{16} + 6T_{15} + 6T_{14} + 9T_{13} + 8T_{12} + 11T_{11} + 11T_{10} + 13T_9 + 12T_8 + 12T_7 + 12T_6 + 12T_5 + 12T_4 + 9T_3 + 8T_2 + 6T_1 + 4$$

d = 19; r₁ = 7;

$$\text{Disc} = 5813757092802172698601$$

$$R = 13.97970$$

$$P = T_{19} + T_{18} + 7T_{17} + 4T_{16} + 24T_{15} + 10T_{14} + 60T_{13} + 21T_{12} + 118T_{11} + 37T_{10} + 189T_9 + 54T_8 + 251T_7 + 68T_6 + 276T_5 + 68T_4 + 239T_3 + 51T_2 + 141T_1 + 19$$

d = 19; r₁ = 9;

$$\text{Disc} = -41045828793328994285639$$

$$R = 15.49430$$

$$P = x^{19} + x^{18} - 24x^{16} - 56x^{15} + 122x^{14} + 258x^{13} - 281x^{12} - 549x^{11} + 337x^{10} + 655x^9 - 208x^8 - 463x^7 + 50x^6 + 192x^5 + 9x^4 - 43x^3 - 7x^2 + 4x + 1$$

d = 19; r₁ = 11;

$$\text{Disc} = 292605920857868624429653$$

$$R = 17.18176$$

$$P = T_{19} + 4T_{18} + 8T_{17} + 14T_{16} + 24T_{15} + 37T_{14} + 52T_{13} + 70T_{12} + 91T_{11} + 111T_{10} + 129T_9 + 146T_8 + 158T_7 + 162T_6 + 160T_5 + 151T_4 + 133T_3 + 107T_2 + 75T_1 + 39$$

d = 19; r₁ = 13;

$$\text{Disc} = -1449309638330153418838751$$

$$R = 18.69132$$

$$P = x^{19} + x^{18} - 27x^{17} - 49x^{16} + 159x^{15} + 306x^{14} - 283x^{13} - 697x^{12} + 141x^{11} + 824x^{10} + 120x^9 - 583x^8 - 185x^7 + 263x^6 + 94x^5 - 76x^4 - 22x^3 + 13x^2 + 2x - 1$$

d = 19; r₁ = 15;

$$\text{Disc} = 15925888437197605474003853$$

$$R = 21.20443$$

$$P = T_{19} + T_{18} + 2T_{16} + 2T_{15} + 2T_{14} + 3T_{13} + 3T_{12} + 5T_{11} + 4T_{10} + 4T_9 + 6T_8 + 5T_7 + 5T_6 + 5T_5 + 4T_4 + 4T_3 + 3T_2 + 2T_1 + 1$$

d = 19; r₁ = 17;

$$\text{Disc} = -395445924835418596799439811$$

$$R = 25.11000$$

$$P = T_{19} + T_{18} + T_{17} + T_{16} + T_{15} - T_{12} - 2T_{10} - T_8 + T_6 - T_5 + 3T_4 - T_3 + 3T_2 - T_1 + 2$$

d = 19; r₁ = 19;

$$\text{Disc} = 3781545514321203327178087381$$

$$R = 28.27849$$

$$P = T_{19} + 2T_{18} - T_{16} + T_{15} - 2T_{13} + T_{11} - T_{10} + 2T_8 - T_7 - 2T_6 + 2T_5 + T_4 - 2T_3 + T_2 + 2T_1 - 1$$

d = 20; r₁ = 0;

$$\text{Disc} = 208830343752740023189$$

$$R = 10.37504$$

$$P = x^{20} + 10x^{19} + 47x^{18} + 132x^{17} + 236x^{16} + 252x^{15} + 93x^{14} - 154x^{13} - 276x^{12} - 213x^{11} - 147x^{10} - 213x^9 - 276x^8 - 154x^7 + 93x^6 + 252x^5 + 236x^4 + 132x^3 + 47x^2 + 10x + 1$$

d = 20; r₁ = 2;

$$\text{Disc} = -1149352075545197380123$$

$$R = 11.29855$$

$$P = x^{20} - 8x^{18} + 8x^{17} + 25x^{16} - 53x^{15} - 12x^{14} + 129x^{13} - 105x^{12} - 101x^{11} + 231x^{10} - 101x^9 - 105x^8 + 129x^7 - 12x^6 - 53x^5 + 25x^4 + 8x^3 - 8x^2 + 1$$

d = 20; r₁ = 4;

$$\text{Disc} = 6369250615625347394773$$

$$R = 12.30848$$

$$P = x^{20} + 4x^{19} + 11x^{18} + 21x^{17} + 29x^{16} + 28x^{15} + 12x^{14} - 17x^{13} - 50x^{12} - 75x^{11} - 85x^{10} - 75x^9 - 50x^8 - 17x^7 + 12x^6 + 28x^5 + 29x^4 + 21x^3 + 11x^2 + 4x + 1$$

d = 20; r₁ = 6;

$$\text{Disc} = -40502003712389548689179$$

$$R = 13.50125$$

$$P = x^{20} + 3x^{19} + 2x^{18} - 7x^{17} - 27x^{16} - 47x^{15} - 40x^{14} + 13x^{13} + 108x^{12} + 203x^{11} + 241x^{10} + 203x^9 + 108x^8 + 13x^7 - 40x^6 - 47x^5 - 27x^4 - 7x^3 + 2x^2 + 3x + 1$$

d = 20; r₁ = 8;

$$\text{Disc} = 234435533171203595613233$$

$$R = 14.74013$$

$$P = T_{20} + T_{19} + 6T_{18} + 4T_{17} + 17T_{16} + 12T_{15} + 36T_{14} + 30T_{13} + 58T_{12} + 53T_{11} + 77T_{10} + 76T_9 + 90T_8 + 87T_7 + 86T_6 + 82T_5 + 70T_4 + 65T_3 + 44T_2 + 34T_1 + 14$$

d = 20; r₁ = 10;

$$\text{Disc} = -1894303297453675512466483$$

$$R = 16.36336$$

$$P = x^{20} + 8x^{19} + 30x^{18} + 74x^{17} + 132x^{16} + 162x^{15} + 106x^{14} - 71x^{13} - 351x^{12} - 610x^{11} - 709x^{10} - 610x^9 - 351x^8 - 71x^7 + 106x^6 + 162x^5 + 132x^4 + 74x^3 + 30x^2 + 8x + 1$$

d = 20; r₁ = 12;

$$\text{Disc} = 9367234188547163489710641$$

$$R = 17.72477$$

$$P = x^{20} + 4x^{19} - 14x^{18} - 46x^{17} + 98x^{16} + 150x^{15} - 359x^{14} - 61x^{13} + 647x^{12} - 517x^{11} - 265x^{10} + 759x^9 - 445x^8 - 153x^7 + 377x^6 - 212x^5 + x^4 + 66x^3 - 39x^2 + 10x - 1$$

d = 20; r₁ = 14;

$$\text{Disc} = -115077006796306221292562863$$

$$R = 20.09321$$

$$P = x^{20} + 7x^{19} - 106x^{17} - 207x^{16} + 419x^{15} + 1684x^{14} + 600x^{13} - 4090x^{12} - 6035x^{11} - 315x^{10} + 6580x^9 + 7068x^8 + 3032x^7 - 210x^6 - 980x^5 - 505x^4 - 78x^3 + 23x^2 + 10x + 1$$

d = 20; r₁ = 16;

$$\text{Disc} = 782500796517470195671591373$$

$$R = 22.11435$$

$$P = x^{20} + 12x^{19} + 45x^{18} + 32x^{17} - 145x^{16} - 242x^{15} + 75x^{14} + 211x^{13} - 139x^{12} + 36x^{11} + 425x^{10} + 36x^9 - 139x^8 + 211x^7 + 75x^6 - 242x^5 - 145x^4 + 32x^3 + 45x^2 + 12x + 1$$

d = 20; r₁ = 18;

$$\text{Disc} = -11806692594664808242247608471$$

$$R = 25.32832$$

$$P = x^{20} + 10x^{19} + 33x^{18} + 12x^{17} - 175x^{16} - 380x^{15} - 33x^{14} + 911x^{13} + 1221x^{12} - 149x^{11} - 1912x^{10} - 1458x^9 + 836x^8 + 1581x^7 + 258x^6 - 577x^5 - 284x^4 + 36x^3 + 54x^2 + 13x + 1$$

d = 20; r₁ = 20;

$$\text{Disc} = 86626870251347179191611328125$$

$$R = 27.98225$$

$$P = x^{20} + x^{19} - 30x^{18} - 33x^{17} + 285x^{16} + 387x^{15} - 1014x^{14} - 1637x^{13} + 1529x^{12} + 3268x^{11} - 672x^{10} - 3337x^9 - 671x^8 + 1653x^7 + 833x^6 - 280x^5 - 290x^4 - 33x^3 + 28x^2 + 10x + 1$$

d = 21; r₁ = 1;
 Disc = 10435221388756696779809
 R = 11.18150
 $P = x^{21} + x^{20} + x^{19} - 2x^{18} - 6x^{17} - 8x^{16} - 3x^{15} + 8x^{14} + 19x^{13} + 19x^{12} + 5x^{11} - 15x^{10} - 27x^9 - 21 \times x^8 - 3x^7 + 13x^6 + 16x^5 + 9x^4 - 4x^2 - 3x - 1$

d = 21; r₁ = 3;
 Disc = -77498773250777181255703
 R = 12.30174
 $P = x^{21} + 2x^{20} - 6x^{19} - 11x^{18} + 23x^{17} + 33x^{16} - 58x^{15} - 58x^{14} + 108x^{13} + 63x^{12} - 150x^{11} - 37x^{10} + 156 \times x^9 + 2x^8 - 118x^7 + 15x^6 + 61x^5 - 13x^4 - 19x^3 + 5x^2 + 3x - 1$

d = 21; r₁ = 5;
 Disc = 479715588739266725170889
 R = 13.41732
 $P = x^{21} + x^{20} - 5x^{18} - 8x^{17} - 5x^{16} + 7x^{15} + 18x^{14} + 16x^{13} - 18x^{11} - 21x^{10} - 8x^9 + 9x^8 + 15x^7 + 9 \times x^6 - x^5 - 6x^4 - 4x^3 - x^2 + x + 1$

d = 21; r₁ = 7;
 Disc = -3394306924660484788955231
 R = 14.72757
 $P = T_{21} + 2T_{20} + 5T_{19} + 7T_{18} + 11T_{17} + 12T_{16} + 16T_{15} + 16T_{14} + 21T_{13} + 20T_{12} + 25T_{11} + 23T_{10} + 29 \times T_9 + 26T_8 + 31T_7 + 27T_6 + 29T_5 + 22T_4 + 21T_3 + 13T_2 + 9T_1 + 3$

d = 21; r₁ = 9;
 Disc = 19666130227992240211608841
 R = 16.01264
 $P = x^{21} + 5x^{20} - 3x^{19} + 14x^{18} + 17x^{17} - 64x^{16} - 6x^{15} - 98x^{14} - 73x^{13} + 625x^{12} + 46x^{11} - 1025x^{10} + 155 \times x^9 + 834x^8 - 262x^7 - 361x^6 + 169x^5 + 73x^4 - 51x^3 - 2x^2 + 6x - 1$

d = 21; r₁ = 11;
 Disc = -130503432785547511729244003
 R = 17.52270
 $P = x^{21} + x^{20} - 12x^{19} - 13x^{18} + 60x^{17} + 68x^{16} - 163x^{15} - 184x^{14} + 270x^{13} + 272x^{12} - 309x^{11} - 206 \times x^{10} + 292x^9 + 50x^8 - 237x^7 + 33x^6 + 133x^5 - 32x^4 - 39x^3 + 12x^2 + 3x - 1$

d = 21; r₁ = 13;
 Disc = 1159120763399987220509834321
 R = 19.44321
 $P = T_{21} + T_{20} + 2T_{19} + 3T_{18} + 3T_{17} + 2T_{16} + T_{15} - 3T_{13} - 3T_{12} - 2T_{11} - T_{10} + 2T_9 + 5T_8 + 6T_7 + 5 \times T_6 + 4T_5 + T_4 - 4T_3 - 4T_2 - 5T_1 - 4$

d = 21; r₁ = 15;
 Disc = -8919118339100123184594173479
 R = 21.42731
 $P = T_{21} + T_{20} + 2T_{19} + 2T_{17} + 3T_{15} + 4T_{13} + 4T_{11} + 4T_9 - T_8 + 3T_7 + 3T_5 + 2T_3 - T_2$

d = 21; r₁ = 17;
 Disc = 186585871012521885954237506449
 R = 24.76574
 $P = T_{21} + 2T_{19} - 2T_{18} + T_{17} - 5T_{16} - 2T_{15} - 7T_{14} - 5T_{13} - 3T_{12} - 7T_{11} + 7T_{10} - 7T_9 + 20T_8 - 6T_7 + 30 \times T_6 - 4T_5 + 33T_4 - 2T_3 + 26T_2 + 10$

d = 21; r₁ = 19;
 Disc = -2478070027772566251998939834723
 R = 28.01165
 $P = T_{21} + T_{20} + T_{18} + T_{15} + T_{13} + T_{12} + T_{10} + T_9 + T_7 + T_4$

d = 21; r₁ = 21;
 Disc = 74172728201994372959558348499553
 R = 32.93295
 $P = x^{21} + 5x^{20} - 30x^{19} - 93x^{18} + 310x^{17} + 649x^{16} - 1390x^{15} - 2443x^{14} + 2999x^{13} + 5431x^{12} - 2872 \times x^{11} - 7075x^{10} + 235x^9 + 5023x^8 + 1670x^7 - 1540x^6 - 1139x^5 - 44x^4 + 202x^3 + 86x^2 + 15x + 1$

d = 22; r₁ = 0;

$$\text{Disc} = -84655136982681052492703$$

$$R = 11.01961$$

$$P = x^{22} + 7x^{21} + 20x^{20} + 27x^{19} + 6x^{18} - 36x^{17} - 45x^{16} + 15x^{15} + 85x^{14} + 60x^{13} - 55x^{12} - 123x^{11} - 55 \times x^{10} + 60x^9 + 85x^8 + 15x^7 - 45x^6 - 36x^5 + 6x^4 + 27x^3 + 20x^2 + 7x + 1$$

d = 22; r₁ = 2;

$$\text{Disc} = 445595390335127558774233$$

$$R = 11.88370$$

$$P = x^{22} + x^{21} + 2x^{20} + 2x^{19} + x^{18} + 4x^{17} + 2x^{16} + 5x^{15} + 4x^{14} + 4x^{13} + 8x^{12} + 5x^{11} + 8x^{10} + 4x^9 + 4 \times x^8 + 5x^7 + 2x^6 + 4x^5 + x^4 + 2x^3 + 2x^2 + x + 1$$

d = 22; r₁ = 4;

$$\text{Disc} = -2655012926986509280348979$$

$$R = 12.88798$$

$$P = x^{22} + 8x^{21} + 30x^{20} + 70x^{19} + 112x^{18} + 126x^{17} + 89x^{16} + 5x^{15} - 92x^{14} - 156x^{13} - 173x^{12} - 171 \times x^{11} - 173x^{10} - 156x^9 - 92x^8 + 5x^7 + 89x^6 + 126x^5 + 112x^4 + 70x^3 + 30x^2 + 8x + 1$$

d = 22; r₁ = 6;

$$\text{Disc} = 16400263998954039546020113$$

$$R = 14.00005$$

$$P = x^{22} + 9x^{21} + 31x^{20} + 47x^{19} + 17x^{18} + 3x^{17} + 224x^{16} + 711x^{15} + 907x^{14} + 133x^{13} - 1294x^{12} - 2035 \times x^{11} - 1294x^{10} + 133x^9 + 907x^8 + 711x^7 + 224x^6 + 3x^5 + 17x^4 + 47x^3 + 31x^2 + 9x + 1$$

d = 22; r₁ = 8;

$$\text{Disc} = -121985797132883256103332491$$

$$R = 15.33703$$

$$P = x^{22} + 4x^{21} - 13x^{19} + 2x^{18} + 12x^{17} - 64x^{16} + 4x^{15} + 259x^{14} - 6x^{13} - 529x^{12} - 53x^{11} + 704x^{10} + 213 \times x^9 - 611x^8 - 378x^7 + 246x^6 + 303x^5 + 40x^4 - 75x^3 - 46x^2 - 11x - 1$$

d = 22; r₁ = 10;

$$\text{Disc} = 543322313908715159516674469$$

$$R = 16.41458$$

$$P = x^{22} + x^{21} - 8x^{20} - 7x^{19} + 22x^{18} + 18x^{17} - 18x^{16} - 18x^{15} - 24x^{14} - 5x^{13} + 66x^{12} + 23x^{11} - 66 \times x^{10} - 5x^9 + 24x^8 - 18x^7 + 18x^6 + 18x^5 - 22x^4 - 7x^3 + 8x^2 + x - 1$$

d = 22; r₁ = 12;

$$\text{Disc} = -5661378830190352723792609967$$

$$R = 18.25982$$

$$P = x^{22} + 8x^{21} + 27x^{20} + 49x^{19} + 37x^{18} - 59x^{17} - 232x^{16} - 357x^{15} - 265x^{14} + 94x^{13} + 528x^{12} + 721 \times x^{11} + 528x^{10} + 94x^9 - 265x^8 - 357x^7 - 232x^6 - 59x^5 + 37x^4 + 49x^3 + 27x^2 + 8x + 1$$

d = 22; r₁ = 14;

$$\text{Disc} = 47487318573640951842081912109$$

$$R = 20.11318$$

$$P = x^{22} + 2x^{21} + 11x^{20} - 8x^{19} - 81x^{18} + 53x^{17} - 232x^{16} + 271x^{15} + 1409x^{14} - 1518x^{13} - 2319x^{12} + 2715 \times x^{11} + 1781x^{10} - 2463x^9 - 652x^8 + 1268x^7 + 59x^6 - 376x^5 + 34x^4 + 60x^3 - 11x^2 - 4x + 1$$

d = 22; r₁ = 16;

$$\text{Disc} = -623372081368190446602341687599$$

$$R = 22.61032$$

$$P = x^{22} + 6x^{21} + 3x^{20} - 50x^{19} - 115x^{18} + 21x^{17} + 403x^{16} + 541x^{15} - 80x^{14} - 1035x^{13} - 1137x^{12} - 30 \times x^{11} + 1152x^{10} + 1190x^9 + 250x^8 - 546x^7 - 591x^6 - 213x^5 + 65x^4 + 105x^3 + 49x^2 + 11x + 1$$

d = 22; r₁ = 18;

$$\text{Disc} = 6370564398942712941914256178709$$

$$R = 25.12985$$

$$P = x^{22} + 11x^{21} + 38x^{20} - 5x^{19} - 314x^{18} - 489x^{17} + 778x^{16} + 2450x^{15} - 227x^{14} - 5415x^{13} - 2125 \times x^{12} + 6685x^{11} + 3996x^{10} - 5202x^9 - 3294x^8 + 2768x^7 + 1465x^6 - 928x^5 - 307x^4 + 167x^3 + 19x^2 - 12x + 1$$

d = 22; r₁ = 20;

$$\text{Disc} = -91832948697521238507214261990847$$

$$R = 28.37028$$

$$P = T_{22} + 5T_{21} + 9T_{20} + 15T_{19} + 21T_{18} - 2T_{17} - 26T_{16} - 107T_{15} - 220T_{14} - 284T_{13} - 474T_{12} - 319 \times T_{11} - 360T_{10} + 101T_9 + 606T_8 + 1035T_7 + 2326T_6 + 2029T_5 + 3773T_4 + 2366T_3 + 3634T_2 + 1598T_1 + 1515$$

d = 22; r₁ = 22;

Disc = 365242349035436676501161871819617

R = 30.20768

$P = x^{22} + 8x^{21} - 8x^{20} - 196x^{19} - 311x^{18} + 1078x^{17} + 2995x^{16} - 1201x^{15} - 9295x^{14} - 3695x^{13} + 12712 \times$
 $x^{12} + 11154x^{11} - 6929x^{10} - 11386x^9 - 650x^8 + 4866x^7 + 1998x^6 - 564x^5 - 544x^4 - 75x^3 + 31x^2 + 11x + 1$

d = 23; r₁ = 1 ;

$$\text{Disc} = -5700413848897504828740983$$

$$R = 11.92185$$

$$P = x^{23} + 2x^{22} + 4x^{21} + 7x^{20} + 12x^{19} + 18x^{18} + 25x^{17} + 33x^{16} + 41x^{15} + 47x^{14} + 52x^{13} + 55x^{12} + 55 \times x^{11} + 52x^{10} + 47x^9 + 41x^8 + 34x^7 + 26x^6 + 19x^5 + 13x^4 + 8x^3 + 5x^2 + 3x + 1$$

d = 23; r₁ = 3 ;

$$\text{Disc} = 39532580154587300889380257$$

$$R = 12.96914$$

$$P = x^{23} + 2x^{22} + 5x^{21} + 10x^{20} + 16x^{19} + 26x^{18} + 36x^{17} + 50x^{16} + 63x^{15} + 77x^{14} + 88x^{13} + 96x^{12} + 100 \times x^{11} + 97x^{10} + 92x^9 + 80x^8 + 68x^7 + 52x^6 + 38x^5 + 25x^4 + 15x^3 + 8x^2 + 3x + 1$$

d = 23; r₁ = 5 ;

$$\text{Disc} = -303220383830575041169065359$$

$$R = 14.17036$$

$$P = x^{23} - 5x^{21} - x^{20} + 10x^{19} + 8x^{18} - 14x^{17} - 22x^{16} + 16x^{15} + 30x^{14} - 4x^{13} - 33x^{12} - 11x^{11} + 32 \times x^{10} + 12x^9 - 15x^8 - 15x^7 + 7x^6 + 11x^5 - 4x^4 - 3x^3 - x^2 + 3x - 1$$

d = 23; r₁ = 7 ;

$$\text{Disc} = 3131125834463961483105765869$$

$$R = 15.68430$$

$$P = T_{23} + T_{21} - T_{20} + T_{19} - T_{18} + T_{17} - T_{16} + 2T_{15} + 2T_{13} - T_{12} + T_{11} - T_{10} + T_9 + T_7 + T_6 + T_5 - T_2$$

d = 23; r₁ = 9 ;

$$\text{Disc} = -16656303582514502292550218959$$

$$R = 16.86651$$

$$P = x^{23} - 48x^{21} + 628x^{19} + 156x^{18} - 2808x^{17} - 784x^{16} + 6433x^{15} + 1759x^{14} - 8770x^{13} - 2329x^{12} + 7618 \times x^{11} + 2009x^{10} - 4336x^9 - 1166x^8 + 1614x^7 + 452x^6 - 379x^5 - 112x^4 + 51x^3 + 16x^2 - 3x - 1$$

d = 23; r₁ = 11 ;

$$\text{Disc} = 84916912318749942532982108857$$

$$R = 18.10433$$

$$P = T_{23} + 2T_{21} + 3T_{19} + 5T_{17} - T_{16} + 8T_{15} - T_{14} + 9T_{13} + 10T_{11} + 12T_9 - T_8 + 12T_7 + 9T_5 + T_4 + 7T_3 + 5T_1 - 1$$

d = 23; r₁ = 13 ;

$$\text{Disc} = -920001269454814169541619508879$$

$$R = 20.08045$$

$$P = x^{23} + 17x^{22} + 86x^{21} + 94x^{20} - 373x^{19} - 613x^{18} + 1238x^{17} + 1190x^{16} - 4133x^{15} + 312x^{14} + 8634x^{13} - 7053 \times x^{12} - 6380x^{11} + 12963x^{10} - 6791x^9 - 2397x^8 + 7972x^7 - 8681x^6 + 6177x^5 - 3285x^4 + 1330x^3 - 349x^2 + 39x + 1$$

d = 23; r₁ = 15 ;

$$\text{Disc} = 5717673204516384105279608822393$$

$$R = 21.74054$$

$$P = T_{23} + 2T_{21} + 3T_{19} + 3T_{17} + T_{16} + 3T_{15} + 2T_{14} + 3T_{13} + 2T_{12} + 4T_{11} + 2T_{10} + 4T_9 + 2T_8 + 4T_7 + 2 \times T_6 + 3T_5 + 3T_4 + 2T_3 + 2T_2 + T_1 + 1$$

d = 23; r₁ = 17 ;

$$\text{Disc} = -69709661714752758356178409180639$$

$$R = 24.23768$$

$$P = x^{23} + x^{22} - 21x^{21} - 20x^{20} + 171x^{19} + 154x^{18} - 730x^{17} - 613x^{16} + 2000x^{15} + 1444x^{14} - 4059x^{13} - 1802 \times x^{12} + 6155x^{11} + 188x^{10} - 6005x^9 + 2401x^8 + 2697x^7 - 2545x^6 + 229x^5 + 672x^4 - 422x^3 + 119x^2 - 17x + 1$$

d = 23; r₁ = 19 ;

$$\text{Disc} = 1313804654055806381906042891296273$$

$$R = 27.53824$$

$$P = T_{23} + T_{22} + 2T_{21} + T_{20} + T_{17} + 3T_{16} + 2T_{15} + 2T_{14} - 2T_{13} - 2T_{12} - 3T_{11} - 2T_{10} - 2T_9 - 2T_8 - 2 \times T_7 - 5T_6 - 4T_5 - 7T_4 - 4T_3 - 3T_2 + 2T_1 + 1$$

d = 23; r₁ = 21 ;

$$\text{Disc} = -10458906171565488105583974063570203$$

$$R = 30.13756$$

$$P = T_{23} + T_{22} + 3T_{20} - 2T_{18} + T_{17} - 6T_{16} - T_{15} - 2T_{13} + 6T_{12} + 2T_{11} + 5T_{10} + 3T_9 - 3T_8 - 3T_7 - 4 \times T_6 - 7T_5 + 4T_3 + 11T_1 - 1$$

d = 23; r₁ = 23 ;

$$\text{Disc} = 1263279378124976719006708978931912753$$

$$R = 37.12192$$

$$P = T_{23} + 2T_{22} - T_{21} - 2T_{20} + 2T_{19} - T_{18} - 2T_{17} + 4T_{16} - 2T_{15} - 2T_{14} + 7T_{13} - 5T_{12} - 5T_{11} + 9T_{10} - 5 \times \\ T_9 - 3T_8 + 11T_7 - 9T_6 - 3T_5 + 13T_4 - 11T_3 - 2T_2 + 14T_1 - 11$$

d = 24; r₁ = 0;

$$\text{Disc} = 29808670669476669092610601$$

$$R = 11.51943$$

$$P = x^{24} + x^{23} - 3x^{21} - 3x^{20} + x^{19} + 7x^{18} + 5x^{17} - 3x^{16} - 10x^{15} - 7x^{14} + 6x^{13} + 11x^{12} + 6x^{11} - 7x^{10} - 10x^9 - 3x^8 + 5x^7 + 7x^6 + x^5 - 3x^4 - 3x^3 + x + 1$$

d = 24; r₁ = 2;

$$\text{Disc} = -166960337094661883238025607$$

$$R = 12.37681$$

$$P = x^{24} + 5x^{23} + 13x^{22} + 22x^{21} + 27x^{20} + 24x^{19} + 14x^{18} + 2x^{17} - 8x^{16} - 19x^{15} - 33x^{14} - 46x^{13} - 51x^{12} - 46x^{11} - 33x^{10} - 19x^9 - 8x^8 + 2x^7 + 14x^6 + 24x^5 + 27x^4 + 22x^3 + 13x^2 + 5x + 1$$

d = 24; r₁ = 4;

$$\text{Disc} = 1146413639591939456538083749$$

$$R = 13.41135$$

$$P = x^{24} + 16x^{23} + 112x^{22} + 458x^{21} + 1207x^{20} + 2046x^{19} + 1858x^{18} - 432x^{17} - 3875x^{16} - 5018x^{15} - 1199x^{14} + 5345x^{13} + 8623x^{12} + 5345x^{11} - 1199x^{10} - 5018x^9 - 3875x^8 - 432x^7 + 1858x^6 + 2046x^5 + 1207x^4 + 458x^3 + 112x^2 + 16x + 1$$

d = 24; r₁ = 6;

$$\text{Disc} = -6753389144924902174975787008$$

$$R = 14.43987$$

$$P = x^{24} + 11x^{23} + 60x^{22} + 187x^{21} + 263x^{20} - 385x^{19} - 2937x^{18} - 7607x^{17} - 11432x^{16} - 8886x^{15} + 2575x^{14} + 17177x^{13} + 23933x^{12} + 17177x^{11} + 2575x^{10} - 8886x^9 - 11432x^8 - 7607x^7 - 2937x^6 - 385x^5 + 263x^4 + 187x^3 + 60x^2 + 11x + 1$$

d = 24; r₁ = 8;

$$\text{Disc} = 37726708412975475239847251521$$

$$R = 15.51293$$

$$P = x^{24} + x^{23} - 7x^{22} + x^{21} + 25x^{20} - 26x^{19} - 36x^{18} + 86x^{17} - 13x^{16} - 122x^{15} + 116x^{14} + 60x^{13} - 173x^{12} + 60x^{11} + 116x^{10} - 122x^9 - 13x^8 + 86x^7 - 36x^6 - 26x^5 + 25x^4 + x^3 - 7x^2 + x + 1$$

d = 24; r₁ = 10;

$$\text{Disc} = -456083070154385852559678280271$$

$$R = 17.21050$$

$$P = x^{24} + 4x^{23} - 3x^{22} - 38x^{21} - 48x^{20} + 88x^{19} + 293x^{18} + 174x^{17} - 432x^{16} - 911x^{15} - 446x^{14} + 743x^{13} + 1389x^{12} + 743x^{11} - 446x^{10} - 911x^9 - 432x^8 + 174x^7 + 293x^6 + 88x^5 - 48x^4 - 38x^3 - 3x^2 + 4x + 1$$

d = 24; r₁ = 12;

$$\text{Disc} = 2073231862638254315925498617309$$

$$R = 18.33132$$

$$P = x^{24} + x^{23} - 10x^{22} - 10x^{21} + 43x^{20} + 34x^{19} - 92x^{18} - 37x^{17} + 67x^{16} - 39x^{15} + 92x^{14} + 138x^{13} - 201x^{12} - 138x^{11} + 92x^{10} + 39x^9 + 67x^8 + 37x^7 - 92x^6 - 34x^5 + 43x^4 + 10x^3 - 10x^2 - x + 1$$

d = 24; r₁ = 14;

$$\text{Disc} = -20643760076584610296071338766199$$

$$R = 20.17357$$

$$P = x^{24} + 4x^{23} - 16x^{22} - 95x^{21} + 9x^{20} + 718x^{19} + 868x^{18} - 1823x^{17} - 4106x^{16} + 886x^{15} + 7355x^{14} + 2643x^{13} - 6249x^{12} - 4251x^{11} + 2775x^{10} + 2744x^9 - 864x^8 - 1224x^7 + 187x^6 + 498x^5 + 96x^4 - 88x^3 - 54x^2 - 12x - 1$$

d = 24; r₁ = 16;

$$\text{Disc} = 194027442996518979877451278793329$$

$$R = 22.14765$$

$$P = x^{24} + 5x^{23} - 8x^{22} - 87x^{21} - 85x^{20} + 404x^{19} + 759x^{18} - 757x^{17} - 2293x^{16} + 693x^{15} + 4053x^{14} - 141x^{13} - 5088x^{12} - 991x^{11} + 4407x^{10} + 2072x^9 - 2121x^8 - 1809x^7 + 236x^6 + 688x^5 + 192x^4 - 66x^3 - 52x^2 - 12x - 1$$

d = 24; r₁ = 18;

$$\text{Disc} = -3301042562020283070513532318984651$$

$$R = 24.92358$$

$$P = T_{24} + T_{22} + T_{19} - 2T_{18} + 2T_{17} - 4T_{16} + 3T_{15} - 7T_{14} + 4T_{13} - 10T_{12} + 5T_{11} - 12T_{10} + 5T_9 - 13T_8 + 4T_7 - 12T_6 + 3T_5 - 9T_4 + 2T_3 - 6T_2 + T_1 - 2$$

d = 24; r₁ = 20;

$$\text{Disc} = 60167493863764404072049420885492553$$

$$R = 28.12808$$

$$P = T_{24} + 2T_{23} + 3T_{22} + 5T_{21} + 7T_{20} + 10T_{19} + 13T_{18} + 16T_{17} + 20T_{16} + 24T_{15} + 27T_{14} + 31T_{13} + 34 \times \\ T_{12} + 37T_{11} + 39T_{10} + 40T_9 + 41T_8 + 39T_7 + 38T_6 + 35T_5 + 31T_4 + 26T_3 + 20T_2 + 14T_1 + 7$$

d = 24; r₁ = 22;

$$\text{Disc} = -956370270885586793798490161211891791$$

$$R = 31.56405$$

$$P = x^{24} + x^{23} - 28x^{22} - 44x^{21} + 245x^{20} + 514x^{19} - 766x^{18} - 2489x^{17} + 129x^{16} + 5601x^{15} + 3951x^{14} - 5619 \times \\ x^{13} - 8562x^{12} + 785x^{11} + 7745x^{10} + 3228x^9 - 2971x^8 - 2730x^7 + 26x^6 + 808x^5 + 281x^4 - 44x^3 - 50x^2 - 12x - 1$$

d = 24; r₁ = 24;

$$\text{Disc} = 161761786626698377317203521728515625$$

$$R = 29.31140$$

$$P = T_{24} + T_{23} - T_{21} - T_{20} - T_{19} - T_{18} - T_{17} + T_{15} + T_{14} + T_{13} + T_{12} + T_{11} - T_6 - T_5 - T_4$$

d = 25; r₁ = 1 ;

$$\text{Disc} = 2432741752737839204357457821$$

$$R = 12.45787$$

$$P = x^{25} + 2x^{24} + 5x^{23} + 11x^{22} + 20x^{21} + 33x^{20} + 52x^{19} + 76x^{18} + 104x^{17} + 134x^{16} + 164x^{15} + 190x^{14} + 210 \times x^{13} + 220x^{12} + 218x^{11} + 205x^{10} + 183x^9 + 155x^8 + 122x^7 + 90x^6 + 61x^5 + 39x^4 + 22x^3 + 11x^2 + 4x + 1$$

d = 25; r₁ = 3 ;

$$\text{Disc} = -21584073779164803146824270151$$

$$R = 13.59457$$

$$P = x^{25} + 3x^{24} - 6x^{23} - 21x^{22} + 24x^{21} + 80x^{20} - 70x^{19} - 202x^{18} + 158x^{17} + 369x^{16} - 279x^{15} - 503 \times x^{14} + 392x^{13} + 515x^{12} - 435x^{11} - 388x^{10} + 373x^9 + 203x^8 - 237x^7 - 64x^6 + 105x^5 + 6x^4 - 29x^3 + 3x^2 + 4x - 1$$

d = 25; r₁ = 5 ;

$$\text{Disc} = 298537289169833502317253870401$$

$$R = 15.10080$$

$$P = x^{25} + 2x^{24} - 14x^{23} - 32x^{22} + 64x^{21} + 165x^{20} - 205x^{19} - 519x^{18} + 516x^{17} + 1116x^{16} - 1052x^{15} - 1637 \times x^{14} + 1593x^{13} + 1645x^{12} - 1681x^{11} - 1157x^{10} + 1211x^9 + 586x^8 - 588x^7 - 219x^6 + 186x^5 + 60x^4 - 35 \times x^3 - 11x^2 + 3x + 1$$

d = 25; r₁ = 7 ;

$$\text{Disc} = -492834888920360490300482405207$$

$$R = 15.40664$$

$$P = x^{25} + 9x^{24} + 24x^{23} + 18x^{22} - 74x^{21} - 253x^{20} - 271x^{19} + 248x^{18} + 1121x^{17} + 1196x^{16} - 519x^{15} - 2773 \times x^{14} - 2417x^{13} + 1183x^{12} + 3810x^{11} + 1983x^{10} - 1597x^9 - 2387x^8 - 568x^7 + 758x^6 + 599x^5 + 74x^4 - 98 \times x^3 - 55x^2 - 12x - 1$$

d = 25; r₁ = 9 ;

$$\text{Disc} = 15170761918278668065093430361277$$

$$R = 17.67015$$

$$P = x^{25} + 6x^{24} + 11x^{23} - 7x^{22} - 63x^{21} - 100x^{20} - 8x^{19} + 218x^{18} + 364x^{17} + 171x^{16} - 317x^{15} - 669x^{14} - 485 \times x^{13} + 125x^{12} + 614x^{11} + 584x^{10} + 163x^9 - 222x^8 - 314x^7 - 181x^6 - 22x^5 + 51x^4 + 49x^3 + 24x^2 + 7x + 1$$

d = 25; r₁ = 11 ;

$$\text{Disc} = -102562057822271487439015381885411$$

$$R = 19.07390$$

$$P = x^{25} - 18x^{22} + 96x^{21} + 129x^{20} - 1082x^{19} - 692x^{18} + 4253x^{17} + 2284x^{16} - 8726x^{15} - 4460x^{14} + 10755 \times x^{13} + 5412x^{12} - 8481x^{11} - 4247x^{10} + 4385x^9 + 2193x^8 - 1480x^7 - 740x^6 + 314x^5 + 157x^4 - 38x^3 - 19x^2 + 2x + 1$$

d = 25; r₁ = 13 ;

$$\text{Disc} = 861194633873543399179779696771233$$

$$R = 20.76845$$

$$P = x^{25} + 4x^{24} - 4x^{23} - 5x^{22} + 27x^{21} - 118x^{20} - 51x^{19} + 706x^{18} - 97x^{17} - 2031x^{16} + 570x^{15} + 3530x^{14} - 1176 \times x^{13} - 3990x^{12} + 1480x^{11} + 3012x^{10} - 1262x^9 - 1501x^8 + 736x^7 + 461x^6 - 280x^5 - 70x^4 + 62x^3 - 6x + 1$$

d = 25; r₁ = 15 ;

$$\text{Disc} = -4469381691046814503341812472620483$$

$$R = 22.18247$$

$$P = T_{25} + 2T_{23} + 2T_{21} + 2T_{19} + T_{18} + 3T_{17} + T_{16} + 4T_{15} + T_{14} + 4T_{13} + T_{12} + 4T_{11} + T_{10} + 4T_9 + T_8 + 4 \times T_7 + T_6 + 3T_5 + T_4 + 2T_3 + T_2$$

d = 25; r₁ = 17 ;

$$\text{Disc} = 38451825050709687274866851017972141$$

$$R = 24.17668$$

$$P = T_{25} + T_{24} + T_{23} + T_{22} + T_{21} + T_{20} + 2T_{19} + 2T_{18} + 2T_{17} + 2T_{16} + 2T_{15} + 2T_{14} + 3T_{13} + 2T_{12} + 2 \times T_{11} + 2T_{10} + 3T_9 + 2T_8 + 2T_7 + 2T_6 + 2T_5 + T_4 + 2T_3 + T_2$$

d = 25; r₁ = 19 ;

$$\text{Disc} = -628941499380915292161381409976228699$$

$$R = 27.03612$$

$$P = T_{25} + 2T_{24} + 3T_{23} + 3T_{22} + 3T_{21} + 3T_{20} + 3T_{19} + 3T_{18} + 3T_{17} + 3T_{16} + 3T_{15} + 3T_{14} + 2T_{13} + T_{12} - T_{10} - 2 \times T_9 - 3T_8 - 5T_7 - 5T_6 - 5T_5 - 4T_4 - 3T_3 - 2T_2 - T_1$$

d = 25; r₁ = 21 ;

$$\text{Disc} = 9577820243593890657888447093572784229$$

$$R = 30.14746$$

$$P = T_{25} - T_{22} - 2T_{21} + T_{18} + 2T_{17} - T_{14} - 2T_{13} + T_{10} + 2T_9 - T_5 + T_4 - T_2 + T_1 - 1$$

$$\mathbf{d} = \mathbf{25}; \mathbf{r}_1 = \mathbf{23};$$

$$\text{Disc} = -208688536788257620432272371024411064847$$

$$R = 34.10201$$

$$P = T_{25} + 2T_{24} + 2T_{23} + 2T_{22} + 2T_{21} + 2T_{20} - 2T_{17} - 2T_{16} - 2T_{15} - 2T_{14} - 3T_{13} - T_{12} + T_{11} - 2T_6 - 2 \times T_5 - 4T_4 - 4T_3 - 3T_2 - 3T_1 - 3$$

$$\mathbf{d} = \mathbf{25}; \mathbf{r}_1 = \mathbf{25};$$

$$\text{Disc} = 3238647984884527705420028944413225043777$$

$$R = 38.05525$$

$$P = T_{25} + T_{24} + T_{23} + 2T_{22} + T_{21} + 3T_{20} + T_{19} + 3T_{18} + T_{17} + 2T_{16} + T_{15} + T_{13} - 3T_{12} + T_{11} - 6T_{10} + T_9 - 8 \times T_8 + T_7 - 9T_6 + T_5 - 8T_4 + T_3 - 6T_2 + T_1 - 2$$

d = 26; r₁ = 0;

$$\text{Disc} = -12946940357116507349897164583$$

$$R = 12.05694$$

$$P = x^{26} + 9x^{25} + 40x^{24} + 112x^{23} + 215x^{22} + 284x^{21} + 227x^{20} + 14x^{19} - 240x^{18} - 301x^{17} + 21x^{16} + 675 \times x^{15} + 1338x^{14} + 1617x^{13} + 1338x^{12} + 675x^{11} + 21x^{10} - 301x^9 - 240x^8 + 14x^7 + 227x^6 + 284x^5 + 215 \times x^4 + 112x^3 + 40x^2 + 9x + 1$$

d = 26; r₁ = 2;

$$\text{Disc} = 61374582778926657691250349169$$

$$R = 12.80060$$

$$P = x^{26} + 3x^{25} + 7x^{24} + 12x^{23} + 17x^{22} + 20x^{21} + 21x^{20} + 18x^{19} + 10x^{18} - 2x^{17} - 17x^{16} - 30x^{15} - 39 \times x^{14} - 41x^{13} - 39x^{12} - 30x^{11} - 17x^{10} - 2x^9 + 10x^8 + 18x^7 + 21x^6 + 20x^5 + 17x^4 + 12x^3 + 7x^2 + 3x + 1$$

d = 26; r₁ = 4;

$$\text{Disc} = -562943917911179242201678433711$$

$$R = 13.93955$$

$$P = x^{26} + 7x^{25} + 29x^{24} + 89x^{23} + 216x^{22} + 428x^{21} + 698x^{20} + 924x^{19} + 940x^{18} + 596x^{17} - 129x^{16} - 1052 \times x^{15} - 1833x^{14} - 2139x^{13} - 1833x^{12} - 1052x^{11} - 129x^{10} + 596x^9 + 940x^8 + 924x^7 + 698x^6 + 428x^5 + 216 \times x^4 + 89x^3 + 29x^2 + 7x + 1$$

d = 26; r₁ = 6;

$$\text{Disc} = 3442000946409890538847426585973$$

$$R = 14.94489$$

$$P = x^{26} - 3x^{22} - 3x^{21} - 4x^{20} - 4x^{19} - x^{18} + x^{17} + 7x^{16} + 11x^{15} + 13x^{14} + 17x^{13} + 13x^{12} + 11x^{11} + 7 \times x^{10} + x^9 - x^8 - 4x^7 - 4x^6 - 3x^5 - 3x^4 + 1$$

d = 26; r₁ = 8;

$$\text{Disc} = -49260358048608065683211798973347$$

$$R = 16.55550$$

$$P = x^{26} + 12x^{25} + 58x^{24} + 132x^{23} + 79x^{22} - 291x^{21} - 700x^{20} - 446x^{19} + 444x^{18} + 919x^{17} + 461x^{16} - 281 \times x^{15} - 700x^{14} - 803x^{13} - 700x^{12} - 281x^{11} + 461x^{10} + 919x^9 + 444x^8 - 446x^7 - 700x^6 - 291x^5 + 79x^4 + 132 \times x^3 + 58x^2 + 12x + 1$$

d = 26; r₁ = 10;

$$\text{Disc} = 244990757796141295856767744156849$$

$$R = 17.60907$$

$$P = x^{26} + 13x^{25} + 68x^{24} + 170x^{23} + 129x^{22} - 403x^{21} - 1339x^{20} - 1781x^{19} - 831x^{18} + 1292x^{17} + 3082 \times x^{16} + 2810x^{15} + 672x^{14} - 637x^{13} + 672x^{12} + 2810x^{11} + 3082x^{10} + 1292x^9 - 831x^8 - 1781x^7 - 1339 \times x^6 - 403x^5 + 129x^4 + 170x^3 + 68x^2 + 13x + 1$$

d = 26; r₁ = 12;

$$\text{Disc} = -4148505108513599626883951355251819$$

$$R = 19.63341$$

$$P = x^{26} + 10x^{25} + 29x^{24} + 4x^{23} - 136x^{22} - 276x^{21} - 75x^{20} + 639x^{19} + 1218x^{18} + 439x^{17} - 1689x^{16} - 2937 \times x^{15} - 1124x^{14} + 2554x^{13} + 4100x^{12} + 1530x^{11} - 2278x^{10} - 3199x^9 - 1050x^8 + 1042x^7 + 1224x^6 + 385 \times x^5 - 149x^4 - 178x^3 - 69x^2 - 13x - 1$$

d = 26; r₁ = 14;

$$\text{Disc} = 11588627179078745665826562187095881$$

$$R = 20.42467$$

$$P = x^{26} + 16x^{25} + 92x^{24} + 188x^{23} - 275x^{22} - 2000x^{21} - 2757x^{20} + 2806x^{19} + 11978x^{18} + 8741x^{17} - 10454 \times x^{16} - 19142x^{15} - 1907x^{14} + 12137x^{13} - 1907x^{12} - 19142x^{11} - 10454x^{10} + 8741x^9 + 11978x^8 + 2806 \times x^7 - 2757x^6 - 2000x^5 - 275x^4 + 188x^3 + 92x^2 + 16x + 1$$

d = 26; r₁ = 16;

$$\text{Disc} = -299300810483952538846919130177783223$$

$$R = 23.14545$$

$$P = x^{26} + 6x^{25} - 3x^{24} - 83x^{23} - 88x^{22} + 467x^{21} + 871x^{20} - 1314x^{19} - 3745x^{18} + 1615x^{17} + 9179x^{16} + 731 \times x^{15} - 13720x^{14} - 5269x^{13} + 12504x^{12} + 7540x^{11} - 6578x^{10} - 5393x^9 + 1712x^8 + 2139x^7 - 100x^6 - 531 \times x^5 - 47x^4 + 104x^3 + 15x^2 - 11x - 1$$

d = 26; r₁ = 18;

$$\text{Disc} = 1232800623529777210442686183374089609$$

$$R = 24.44057$$

$$P = x^{26} + 5x^{25} - 4x^{24} - 61x^{23} - 109x^{22} + 100x^{21} + 936x^{20} + 1441x^{19} - 2180x^{18} - 7870x^{17} - 1268 \times x^{16} + 15938x^{15} + 12576x^{14} - 14257x^{13} - 21085x^{12} + 2604x^{11} + 16382x^{10} + 5249x^9 - 5843x^8 - 4255 \times x^7 + 317x^6 + 1188x^5 + 338x^4 - 70x^3 - 60x^2 - 13x - 1$$

d = 26; r₁ = 20 ;

$$\text{Disc} = -53912403111476991803558782137987393359$$

$$R = 28.26303$$

$$P = x^{26} + 7x^{25} - 19x^{24} - 199x^{23} - 98x^{22} + 1512x^{21} + 1971x^{20} - 4955x^{19} - 9285x^{18} + 7658x^{17} + 21463 \times x^{16} - 3798x^{15} - 28235x^{14} - 4785x^{13} + 22255x^{12} + 8952x^{11} - 10764x^{10} - 6683x^9 + 3163x^8 + 3129x^7 - 291 \times x^6 - 946x^5 - 224x^4 + 94x^3 + 62x^2 + 13x + 1$$

d = 26; r₁ = 22 ;

$$\text{Disc} = 240093825619802568166232196246804297809$$

$$R = 29.93426$$

$$P = T_{26} + T_{25} + T_{24} + 2T_{23} + T_{22} + 2T_{21} + T_{20} + T_{19} + T_{18} + T_{16} + T_{14} + T_{13} + T_{12} + T_{11} + T_{10} + T_8 - T_7 + T_6 - T_5$$

d = 26; r₁ = 24 ;

$$\text{Disc} = -8580774195720308600713822763051065062559$$

$$R = 34.34827$$

$$P = T_{26} + 2T_{25} + 2T_{24} + 3T_{23} + 4T_{22} + 4T_{21} + 4T_{20} + 5T_{19} + 6T_{18} + 6T_{17} + 6T_{16} + 7T_{15} + 8T_{14} + 8T_{13} + 8 \times T_{12} + 8T_{11} + 8T_{10} + 8T_9 + 8T_8 + 7T_7 + 6T_6 + 6T_5 + 6T_4 + 5T_3 + 4T_2 + 3T_1 + 2$$

d = 26; r₁ = 26 ;

$$\text{Disc} = 335808390948037926724867900331515297233929$$

$$R = 39.55099$$

$$P = x^{26} + 6x^{25} - 27x^{24} - 211x^{23} + 50x^{22} + 2070x^{21} + 1572x^{20} - 8791x^{19} - 11035x^{18} + 18696x^{17} + 32864 \times x^{16} - 18614x^{15} - 53534x^{14} + 1089x^{13} + 50217x^{12} + 16712x^{11} - 25706x^{10} - 17087x^9 + 5199x^8 + 7437 \times x^7 + 879x^6 - 1342x^5 - 536x^4 + 22x^3 + 56x^2 + 13x + 1$$

d = 27; r₁ = 1;

$$\text{Disc} = -2453159943340808524872389659043$$

$$R = 13.35197$$

$$P = x^{27} + 3x^{26} + 7x^{25} + 14x^{24} + 24x^{23} + 37x^{22} + 53x^{21} + 71x^{20} + 91x^{19} + 111x^{18} + 130x^{17} + 146x^{16} + 158 \times x^{15} + 163x^{14} + 161x^{13} + 154x^{12} + 143x^{11} + 128x^{10} + 110x^9 + 90x^8 + 70x^7 + 51x^6 + 35x^5 + 23x^4 + 15 \times x^3 + 9x^2 + 4x + 1$$

d = 27; r₁ = 3;

$$\text{Disc} = 19282227659654323264283117021801$$

$$R = 14.41151$$

$$P = x^{27} + 2x^{26} + 4x^{25} + 8x^{24} + 13x^{23} + 20x^{22} + 27x^{21} + 37x^{20} + 47x^{19} + 57x^{18} + 66x^{17} + 74x^{16} + 80 \times x^{15} + 82x^{14} + 82x^{13} + 78x^{12} + 73x^{11} + 65x^{10} + 56x^9 + 46x^8 + 36x^7 + 27x^6 + 20x^5 + 13x^4 + 8x^3 + 5x^2 + 3x + 1$$

d = 27; r₁ = 5;

$$\text{Disc} = -234914264786620240356681773336771$$

$$R = 15.80966$$

$$P = x^{27} + x^{26} - x^{25} - 8x^{24} - 3x^{23} + 21x^{22} + 36x^{21} - 16x^{20} - 106x^{19} - 77x^{18} + 121x^{17} + 250x^{16} + 49x^{15} - 294 \times x^{14} - 296x^{13} + 94x^{12} + 346x^{11} + 137x^{10} - 185x^9 - 187x^8 + 30x^7 + 109x^6 + 18x^5 - 37x^4 - 11x^3 + 8x^2 + 2x - 1$$

d = 27; r₁ = 7;

$$\text{Disc} = 1429978451906958111225491474357161$$

$$R = 16.90344$$

$$P = x^{27} + 3x^{26} - 6x^{25} - 24x^{24} + 15x^{23} + 83x^{22} - 49x^{21} - 204x^{20} + 190x^{19} + 437x^{18} - 506x^{17} - 697 \times x^{16} + 1040x^{15} + 715x^{14} - 1678x^{13} - 305x^{12} + 1953x^{11} - 341x^{10} - 1494x^9 + 694x^8 + 647x^7 - 518x^6 - 91 \times x^5 + 179x^4 - 30x^3 - 21x^2 + 9x - 1$$

d = 27; r₁ = 9;

$$\text{Disc} = -27568069548898410551141553592219511$$

$$R = 18.86126$$

$$P = T_{27} + 8T_{25} + 35T_{23} + 108T_{21} + T_{20} + 262T_{19} + 4T_{18} + 529T_{17} + 10T_{16} + 922T_{15} + 19T_{14} + 1417T_{13} + 30 \times T_{12} + 1941T_{11} + 39T_{10} + 2375T_9 + 45T_8 + 2580T_7 + 46T_6 + 2442T_5 + 41T_4 + 1917T_3 + 29T_2 + 1056T_1 + 11$$

d = 27; r₁ = 11;

$$\text{Disc} = 146322117918412933676747986224803753$$

$$R = 20.06406$$

$$P = T_{27} + 2T_{26} + 5T_{25} + 7T_{24} + 12T_{23} + 15T_{22} + 23T_{21} + 27T_{20} + 38T_{19} + 42T_{18} + 56T_{17} + 60T_{16} + 76T_{15} + 78 \times T_{14} + 95T_{13} + 95T_{12} + 111T_{11} + 106T_{10} + 117T_9 + 107T_8 + 114T_7 + 100T_6 + 100T_5 + 81T_4 + 73T_3 + 52T_2 + 38T_1 + 17$$

d = 27; r₁ = 13;

$$\text{Disc} = -784354168588706108566341184397694839$$

$$R = 21.35140$$

$$P = x^{27} + 4x^{26} - 10x^{25} - 55x^{24} + 14x^{23} + 332x^{22} + 225x^{21} - 1102x^{20} - 1490x^{19} + 2023x^{18} + 4601 \times x^{17} - 1499x^{16} - 8471x^{15} - 1676x^{14} + 9745x^{13} + 5489x^{12} - 6778x^{11} - 6337x^{10} + 2403x^9 + 3995x^8 - 30 \times x^7 - 1408x^6 - 294x^5 + 246x^4 + 93x^3 - 12x^2 - 9x - 1$$

d = 27; r₁ = 15;

$$\text{Disc} = 3319313224989323103252987636655149625$$

$$R = 22.52327$$

$$P = x^{27} + 11x^{26} + 42x^{25} + 28x^{24} - 264x^{23} - 795x^{22} - 381x^{21} + 2272x^{20} + 4889x^{19} + 1758x^{18} - 7694 \times x^{17} - 13347x^{16} - 5322x^{15} + 10807x^{14} + 18283x^{13} + 9098x^{12} - 6666x^{11} - 13311x^{10} - 7324x^9 + 1618 \times x^8 + 4740x^7 + 2625x^6 + 125x^5 - 614x^4 - 372x^3 - 107x^2 - 16x - 1$$

d = 27; r₁ = 17;

$$\text{Disc} = -49704840953863418097021113918005060279$$

$$R = 24.89791$$

$$P = T_{27} + 3T_{25} + 6T_{23} + 9T_{21} - 2T_{20} + 12T_{19} - 5T_{18} + 15T_{17} - 8T_{16} + 17T_{15} - 10T_{14} + 18T_{13} - 11T_{12} + 18 \times T_{11} - 11T_{10} + 17T_9 - 11T_8 + 15T_7 - 10T_6 + 12T_5 - 8T_4 + 9T_3 - 5T_2 + 5T_1 - 2$$

d = 27; r₁ = 19;

$$\text{Disc} = 295603051541288830328890762562693823953$$

$$R = 26.59752$$

$$P = T_{27} + T_{26} + 2T_{25} + 2T_{24} + 3T_{23} + 2T_{22} + 4T_{21} + 3T_{20} + 5T_{19} + 3T_{18} + 5T_{17} + 3T_{16} + 4T_{15} + 2T_{14} + 3 \times T_{13} + T_{12} + 2T_{11} + T_9 - T_8 - T_6 - T_4 - T_2$$

d = 27; r₁ = 21;

$$\text{Disc} = -16566100695860248292070214666889090401291$$

$$R = 30.87456$$

$$P = x^{27} + x^{26} - 91x^{25} - 297x^{24} + 519x^{23} + 2664x^{22} - 463x^{21} - 10464x^{20} - 3617x^{19} + 23855x^{18} + 13581 \times x^{17} - 35282x^{16} - 23074x^{15} + 35854x^{14} + 23558x^{13} - 25821x^{12} - 15673x^{11} + 13346x^{10} + 6969x^9 - 4930 \times x^8 - 2057x^7 + 1271x^6 + 387x^5 - 217x^4 - 42x^3 + 22x^2 + 2x - 1$$

$$\mathbf{d} = \mathbf{27}; \mathbf{r}_1 = \mathbf{23};$$

$$\text{Disc} = 224526631499988782315430821644646395555229$$

$$R = 34.00388$$

$$P = x^{27} + 2x^{26} - 59x^{25} - 150x^{24} + 588x^{23} + 1346x^{22} - 2625x^{21} - 4490x^{20} + 7913x^{19} + 7855x^{18} - 17224 \times x^{17} - 8774x^{16} + 26069x^{15} + 7635x^{14} - 26827x^{13} - 5999x^{12} + 18698x^{11} + 4069x^{10} - 8789x^9 - 2070x^8 + 2737 \times x^7 + 714x^6 - 540x^5 - 155x^4 + 61x^3 + 19x^2 - 3x - 1$$

$$\mathbf{d} = \mathbf{27}; \mathbf{r}_1 = \mathbf{25};$$

$$\text{Disc} = -16579612743407766655279225389465919488968539$$

$$R = 39.87723$$

$$P = T_{27} + T_{26} - T_{25} - 2T_{24} + 2T_{22} + 2T_{21} - T_{20} - 4T_{19} - 3T_{18} + T_{17} + 2T_{16} - 2T_{14} - 2T_{13} + 2 \times T_{11} + T_{10} - T_9 - T_8 + T_7 + 3T_6 + 3T_5 - 2T_3 + 3T_1 + 3$$

$$\mathbf{d} = \mathbf{27}; \mathbf{r}_1 = \mathbf{27};$$

$$\text{Disc} = 706965049015104706497203195837614914543357369$$

$$R = 45.82356$$

$$P = T_{27} - T_{25} + 1$$

d = 28; r₁ = 0;

$$\text{Disc} = 5357322643047399881684048233489$$

$$R = 12.51591$$

$$P = x^{28} + x^{27} + x^{26} - x^{25} - 3x^{24} - 2x^{23} + x^{22} + 5x^{21} + 5x^{20} - 6x^{18} - 8x^{17} - 3x^{16} + 5x^{15} + 9x^{14} + 5 \times x^{13} - 3x^{12} - 8x^{11} - 6x^{10} + 5x^8 + 5x^7 + x^6 - 2x^5 - 3x^4 - x^3 + x^2 + x + 1$$

d = 28; r₁ = 2;

$$\text{Disc} = -47413608523846575131850146269351$$

$$R = 13.52952$$

$$P = x^{28} + x^{27} + x^{26} + 2x^{25} + 2x^{24} + x^{23} - x^{20} - 2x^{19} + 2x^{17} + 2x^{16} + 4x^{15} + 5x^{14} + 4x^{13} + 2x^{12} + 2 \times x^{11} - 2x^9 - x^8 + x^5 + 2x^4 + 2x^3 + x^2 + x + 1$$

d = 28; r₁ = 4;

$$\text{Disc} = 282624320801582908198049212626481$$

$$R = 14.42022$$

$$P = x^{28} + x^{27} - 50x^{26} - 399x^{25} - 1719x^{24} - 5152x^{23} - 11720x^{22} - 20960x^{21} - 29521x^{20} - 31288x^{19} - 20181 \times x^{18} + 5267x^{17} + 38724x^{16} + 67501x^{15} + 78873x^{14} + 67501x^{13} + 38724x^{12} + 5267x^{11} - 20181x^{10} - 31288 \times x^9 - 29521x^8 - 20960x^7 - 11720x^6 - 5152x^5 - 1719x^4 - 399x^3 - 50x^2 + x + 1$$

d = 28; r₁ = 6;

$$\text{Disc} = -3875000830450554877380959682584011$$

$$R = 15.83365$$

$$P = x^{28} + 14x^{27} + 95x^{26} + 407x^{25} + 1195x^{24} + 2402x^{23} + 2855x^{22} - 94x^{21} - 8744x^{20} - 20850x^{19} - 27132 \times x^{18} - 16312x^{17} + 13222x^{16} + 46588x^{15} + 61325x^{14} + 46588x^{13} + 13222x^{12} - 16312x^{11} - 27132x^{10} - 20850 \times x^9 - 8744x^8 - 94x^7 + 2855x^6 + 2402x^5 + 1195x^4 + 407x^3 + 95x^2 + 14x + 1$$

d = 28; r₁ = 8;

$$\text{Disc} = 33807138738326565983084221322758549$$

$$R = 17.10720$$

$$P = x^{28} + 9x^{27} + 24x^{26} - 26x^{25} - 178x^{24} + 562x^{22} - 55x^{21} - 1200x^{20} + 541x^{19} + 1803x^{18} - 1550x^{17} - 1419 \times x^{16} + 3513x^{15} + 426x^{14} - 6502x^{13} - 1616x^{12} + 7269x^{11} + 4424x^{10} - 3655x^9 - 4397x^8 - 176x^7 + 1709 \times x^6 + 840x^5 - 60x^4 - 195x^3 - 78x^2 - 14x - 1$$

d = 28; r₁ = 10;

$$\text{Disc} = -139995858732548830277190931376069899$$

$$R = 17.99776$$

$$P = x^{28} + 12x^{27} + 66x^{26} + 208x^{25} + 347x^{24} - 50x^{23} - 1982x^{22} - 5840x^{21} - 9418x^{20} - 7590x^{19} + 3445 \times x^{18} + 19584x^{17} + 28288x^{16} + 18963x^{15} - 4538x^{14} - 24788x^{13} - 26873x^{12} - 12381x^{11} + 4299x^{10} + 11394 \times x^9 + 8659x^8 + 2893x^7 - 680x^6 - 1416x^5 - 898x^4 - 351x^3 - 90x^2 - 14x - 1$$

d = 28; r₁ = 12;

$$\text{Disc} = 1943247972186390748675495005891342269$$

$$R = 19.77056$$

$$P = x^{28} + 2x^{27} - 19x^{26} - 48x^{25} + 127x^{24} + 415x^{23} - 385x^{22} - 1854x^{21} + 596x^{20} + 5456x^{19} + 84x^{18} - 11399 \times x^{17} - 3185x^{16} + 16676x^{15} + 8925x^{14} - 16046x^{13} - 13451x^{12} + 8738x^{11} + 12145x^{10} - 997x^9 - 6340x^8 - 1848 \times x^7 + 1511x^6 + 1088x^5 + 69x^4 - 169x^3 - 76x^2 - 14x - 1$$

d = 28; r₁ = 14;

$$\text{Disc} = -22018170787527874346638871508330506011$$

$$R = 21.56109$$

$$P = x^{28} + 8x^{27} + 16x^{26} - 33x^{25} - 193x^{24} - 276x^{23} + 188x^{22} + 1367x^{21} + 2277x^{20} + 1000x^{19} - 3314 \times x^{18} - 8396x^{17} - 9522x^{16} - 3431x^{15} + 7932x^{14} + 17950x^{13} + 20251x^{12} + 13623x^{11} + 2508x^{10} - 6881 \times x^9 - 10928x^8 - 9988x^7 - 6681x^6 - 3456x^5 - 1393x^4 - 429x^3 - 96x^2 - 14x - 1$$

d = 28; r₁ = 16;

$$\text{Disc} = 190179478401771421611070268433184805201$$

$$R = 23.28697$$

$$P = x^{28} + 8x^{27} - 120x^{25} - 129x^{24} + 657x^{23} + 496x^{22} - 3069x^{21} - 1046x^{20} + 11459x^{19} + 4808x^{18} - 26273 \times x^{17} - 17225x^{16} + 34945x^{15} + 33264x^{14} - 25250x^{13} - 36999x^{12} + 6077x^{11} + 24288x^{10} + 4790x^9 - 8728 \times x^8 - 4510x^7 + 1085x^6 + 1430x^5 + 260x^4 - 130x^3 - 73x^2 - 14x - 1$$

d = 28; r₁ = 18;

$$\text{Disc} = -2467091855535998666394248242803281161219$$

$$R = 25.51901$$

$$P = x^{28} + 6x^{27} - 5x^{26} - 92x^{25} - 65x^{24} + 621x^{23} + 819x^{22} - 2434x^{21} - 4214x^{20} + 6168x^{19} + 12940 \times x^{18} - 10696x^{17} - 26468x^{16} + 13168x^{15} + 37977x^{14} - 11713x^{13} - 39344x^{12} + 7187x^{11} + 29699x^{10} - 2236 \times x^9 - 15915x^8 - 535x^7 + 5563x^6 + 783x^5 - 1055x^4 - 246x^3 + 66x^2 + 20x + 1$$

d = 28; r₁ = 20 ;

$$\text{Disc} = 4972634855103981878948308518853759765625$$

$$R = 26.16587$$

$$P = x^{28} + x^{27} - 27x^{26} - 21x^{25} + 267x^{24} + 151x^{23} - 1230x^{22} - 676x^{21} + 2767x^{20} + 3090x^{19} - 3678 \times x^{18} - 10329x^{17} + 6121x^{16} + 19865x^{15} - 13996x^{14} - 20416x^{13} + 20997x^{12} + 9108x^{11} - 17276x^{10} + 1197 \times x^9 + 7379x^8 - 2981x^7 - 1270x^6 + 1182x^5 - 131x^4 - 156x^3 + 75x^2 - 14x + 1$$

d = 28; r₁ = 22 ;

$$\text{Disc} = -464064529121890131331663679992312300115999$$

$$R = 30.76749$$

$$P = x^{28} + 6x^{27} - 15x^{26} - 153x^{25} - 78x^{24} + 1231x^{23} + 1983x^{22} - 3651x^{21} - 10373x^{20} + 1613x^{19} + 24550 \times x^{18} + 14852x^{17} - 27789x^{16} - 38254x^{15} + 7309x^{14} + 42324x^{13} + 17879x^{12} - 21644x^{11} - 22034x^{10} + 1187 \times x^9 + 10319x^8 + 3883x^7 - 1556x^6 - 1538x^5 - 269x^4 + 130x^3 + 73x^2 + 14x + 1$$

d = 28; r₁ = 24 ;

$$\text{Disc} = 1274802215548353328965310218564092984084453$$

$$R = 31.89817$$

$$P = x^{28} + 8x^{27} + 7x^{26} - 97x^{25} - 224x^{24} + 434x^{23} + 1609x^{22} - 730x^{21} - 5683x^{20} - 345x^{19} + 11260 \times x^{18} + 2118x^{17} - 12937x^{16} + 1526x^{15} + 9894x^{14} - 12007x^{13} - 9617x^{12} + 16271x^{11} + 11773x^{10} - 7681 \times x^9 - 7780x^8 - 281x^7 + 1215x^6 + 489x^5 + 383x^4 + 280x^3 + 98x^2 + 16x + 1$$

d = 28; r₁ = 26 ;

$$\text{Disc} = -15174649661359017975995614124469183349609375$$

$$R = 34.84840$$

$$P = x^{28} + 9x^{27} + 8x^{26} - 142x^{25} - 394x^{24} + 595x^{23} + 3446x^{22} + 1120x^{21} - 12827x^{20} - 15824x^{19} + 20813 \times x^{18} + 50411x^{17} - 3253x^{16} - 77505x^{15} - 39600x^{14} + 59508x^{13} + 62595x^{12} - 14163x^{11} - 42924x^{10} - 10417 \times x^9 + 13145x^8 + 8217x^7 - 564x^6 - 1902x^5 - 516x^4 + 78x^3 + 69x^2 + 14x + 1$$

d = 28; r₁ = 28 ;

$$\text{Disc} = 3483107562183421081018253576791933073167549389$$

$$R = 42.31544$$

$$P = x^{28} + 7x^{27} - 17x^{26} - 190x^{25} + 64x^{24} + 2159x^{23} + 274x^{22} - 13719x^{21} - 1525x^{20} + 54404x^{19} - 6624 \times x^{18} - 137217x^{17} + 61623x^{16} + 207166x^{15} - 172373x^{14} - 154840x^{13} + 224834x^{12} + 14403x^{11} - 140351 \times x^{10} + 52648x^9 + 32584x^8 - 29095x^7 + 3266x^6 + 4128x^5 - 1839x^4 + 195x^3 + 48x^2 - 14x + 1$$

d = 29; r₁ = 1 ;

$$\text{Disc} = 4302796444773811959858498956699353$$

$$R = 14.44723$$

$$P = x^{29} + 2x^{28} + 5x^{27} + 10x^{26} + 17x^{25} + 28x^{24} + 42x^{23} + 60x^{22} + 81x^{21} + 104x^{20} + 128x^{19} + 151x^{18} + 170 \times x^{17} + 185x^{16} + 194x^{15} + 194x^{14} + 188x^{13} + 174x^{12} + 156x^{11} + 133x^{10} + 109x^9 + 85x^8 + 63x^7 + 44x^6 + 29 \times x^5 + 18x^4 + 10x^3 + 5x^2 + 2x + 1$$

d = 29; r₁ = 3 ;

$$\text{Disc} = -43312583801311941049801565414163347$$

$$R = 15.64466$$

$$P = x^{29} + 3x^{28} + 7x^{27} + 16x^{26} + 30x^{25} + 53x^{24} + 86x^{23} + 130x^{22} + 186x^{21} + 251x^{20} + 323x^{19} + 395 \times x^{18} + 463x^{17} + 518x^{16} + 556x^{15} + 571x^{14} + 562x^{13} + 530x^{12} + 478x^{11} + 411x^{10} + 337x^9 + 262x^8 + 193 \times x^7 + 133x^6 + 85x^5 + 50x^4 + 26x^3 + 12x^2 + 4x + 1$$

d = 29; r₁ = 5 ;

$$\text{Disc} = 346689633533838086181147787118183629$$

$$R = 16.80797$$

$$P = x^{29} + 5x^{28} - 5x^{27} - 63x^{26} - 38x^{25} + 333x^{24} + 449x^{23} - 916x^{22} - 1956x^{21} + 1175x^{20} + 4819x^{19} + 390 \times x^{18} - 7256x^{17} - 4067x^{16} + 6385x^{15} + 7038x^{14} - 2285x^{13} - 6298x^{12} - 1264x^{11} + 2992x^{10} + 1827x^9 - 520 \times x^8 - 833x^7 - 133x^6 + 173x^5 + 84x^4 - 10x^3 - 20x^2 - 7x - 1$$

d = 29; r₁ = 7 ;

$$\text{Disc} = -4289779004926939463152573040420955271$$

$$R = 18.33105$$

$$P = x^{29} - 36x^{27} - 48x^{26} + 582x^{25} + 736x^{24} - 3904x^{23} - 4668x^{22} + 14465x^{21} + 16428x^{20} - 33185x^{19} - 36124 \times x^{18} + 50101x^{17} + 52824x^{16} - 51642x^{15} - 53247x^{14} + 37133x^{13} + 37735x^{12} - 18790x^{11} - 18929x^{10} + 6661 \times x^9 + 6679x^8 - 1619x^7 - 1620x^6 + 257x^5 + 257x^4 - 24x^3 - 24x^2 + x + 1$$

d = 29; r₁ = 9 ;

$$\text{Disc} = 14518992479079571426661306848705570937$$

$$R = 19.11816$$

$$P = x^{29} - 16x^{27} + 99x^{25} + 65x^{24} - 372x^{23} - 520x^{22} + 645x^{21} + 1952x^{20} + 483x^{19} - 3681x^{18} - 4708 \times x^{17} + 2024x^{16} + 9355x^{15} + 5129x^{14} - 7343x^{13} - 11065x^{12} - 1313x^{11} + 7893x^{10} + 6274x^9 - 487x^8 - 3442 \times x^7 - 1957x^6 - 5x^5 + 551x^4 + 327x^3 + 96x^2 + 15x + 1$$

d = 29; r₁ = 11 ;

$$\text{Disc} = -248988505503480190732262775689412827939$$

$$R = 21.08658$$

$$P = x^{29} + 8x^{28} + 16x^{27} - 64x^{26} - 317x^{25} - 97x^{24} + 1858x^{23} + 2562x^{22} - 5210x^{21} - 11572x^{20} + 7568 \times x^{19} + 28131x^{18} - 4022x^{17} - 45167x^{16} - 6986x^{15} + 51948x^{14} + 22058x^{13} - 41079x^{12} - 31667x^{11} + 16784 \times x^{10} + 25572x^9 + 2479x^8 - 9687x^7 - 5401x^6 + 159x^5 + 1316x^4 + 638x^3 + 152x^2 + 19x + 1$$

d = 29; r₁ = 13 ;

$$\text{Disc} = 537398821568229546734621320360180765949$$

$$R = 21.65347$$

$$P = T_{29} + 5T_{28} + 16T_{27} + 40T_{26} + 86T_{25} + 167T_{24} + 299T_{23} + 502T_{22} + 799T_{21} + 1213T_{20} + 1767T_{19} + 2479 \times T_{18} + 3361T_{17} + 4415T_{16} + 5628T_{15} + 6973T_{14} + 8404T_{13} + 9859T_{12} + 11262T_{11} + 12523T_{10} + 13551 \times T_9 + 14252T_8 + 14544T_7 + 14359T_6 + 13654T_5 + 12418T_4 + 10666T_3 + 8452T_2 + 5861T_1 + 3000$$

d = 29; r₁ = 15 ;

$$\text{Disc} = -7368989432398747175185160101506733229471$$

$$R = 23.69945$$

$$P = T_{29} + 3T_{27} + 6T_{25} + 10T_{23} + 15T_{21} - T_{20} + 21T_{19} - T_{18} + 27T_{17} - 2T_{16} + 33T_{15} - 3T_{14} + 38T_{13} - 4 \times T_{12} + 41T_{11} - 4T_{10} + 41T_9 - 4T_8 + 38T_7 - 4T_6 + 32T_5 - 3T_4 + 23T_3 - 2T_2 + 12T_1 - 1$$

d = 29; r₁ = 17 ;

$$\text{Disc} = 47173155720957804552323283914720617970957$$

$$R = 25.26627$$

$$P = T_{29} + 2T_{27} + 3T_{25} + 4T_{23} + 5T_{21} + 6T_{19} + 7T_{17} - T_{16} + 7T_{15} - T_{14} + 8T_{13} - T_{12} + 8T_{11} - T_{10} + 8 \times T_9 - T_8 + 7T_7 + 6T_5 + 4T_3 + 2T_1$$

d = 29; r₁ = 19 ;

$$\text{Disc} = -731678391009237917264610091136880770980859$$

$$R = 27.77137$$

$$P = T_{29} + 4T_{28} + 11T_{27} + 24T_{26} + 46T_{25} + 79T_{24} + 126T_{23} + 191T_{22} + 277T_{21} + 387T_{20} + 523T_{19} + 687 \times \\ T_{18} + 878T_{17} + 1093T_{16} + 1326T_{15} + 1571T_{14} + 1818T_{13} + 2055T_{12} + 2270T_{11} + 2449T_{10} + 2578T_9 + 2645 \times \\ T_8 + 2642T_7 + 2561T_6 + 2397T_5 + 2150T_4 + 1826T_3 + 1435T_2 + 989T_1 + 504$$

d = 29; r₁ = 21 ;

$$\text{Disc} = 15825258677410066571077011368218911495894877$$

$$R = 30.87684$$

$$P = T_{29} + T_{27} + T_{25} - T_{21} - 2T_{19} - 3T_{17} - T_{16} - 5T_{15} - 2T_{14} - 6T_{13} - 3T_{12} - 6T_{11} - 4T_{10} - 6T_9 - 5 \times \\ T_8 - 5T_7 - 5T_6 - 4T_5 - 5T_4 - 3T_3 - 3T_2 - 2T_1 - 1$$

d = 29; r₁ = 23 ;

$$\text{Disc} = -373903565298938059012040066243881359877291003$$

$$R = 34.43434$$

$$P = T_{29} + 2T_{28} + 2T_{27} + 2T_{26} + 2T_{25} + 2T_{24} + 3T_{23} + 4T_{22} + 4T_{21} + 5T_{20} + 6T_{19} + 6T_{18} + 6T_{17} + 6T_{16} + 6 \times \\ T_{15} + 6T_{14} + 6T_{13} + 6T_{12} + 6T_{11} + 5T_{10} + 4T_9 + 4T_8 + 4T_7 + 4T_6 + 3T_5 + 2T_4 + 2T_3 + T_2$$

d = 29; r₁ = 25 ;

$$\text{Disc} = 8875087072256004457658264658441114581686079993$$

$$R = 38.40783$$

$$P = T_{29} + T_{28} - T_{27} - T_{26} + T_{23} - 2T_{21} + T_{19} + T_{17} + T_{16} + T_{15} + 2T_{14} - T_{12} - T_{10} + T_8 - T_7 + T_5 + 2T_3 + 2T_2 + 1$$

d = 29; r₁ = 27 ;

$$\text{Disc} = -468333182944076636305678091510113022921336399959$$

$$R = 44.03644$$

$$P = T_{29} - T_{26} - T_{24} - T_{22} - T_{20} - T_{18} + T_{14} + 2T_{12} + 3T_{10} + 3T_8 + 3T_6 + 3T_4 + 2T_2 + 1$$

d = 29; r₁ = 29 ;

$$\text{Disc} = 38358032782038398419973086399760468678777161743121$$

$$R = 51.26113$$

$$P = T_{29} + T_{28}$$

d = 30; r₁ = 0;

$$\text{Disc} = -2975270472232098631861936141724551$$

$$R = 13.05522$$

$$P = x^{30} + 2x^{29} + 8x^{28} + 19x^{27} + 37x^{26} + 77x^{25} + 126x^{24} + 196x^{23} + 300x^{22} + 390x^{21} + 506x^{20} + 629 \times x^{19} + 693x^{18} + 786x^{17} + 839x^{16} + 821x^{15} + 839x^{14} + 786x^{13} + 693x^{12} + 629x^{11} + 506x^{10} + 390x^9 + 300 \times x^8 + 196x^7 + 126x^6 + 77x^5 + 37x^4 + 19x^3 + 8x^2 + 2x + 1$$

d = 30; r₁ = 2;

$$\text{Disc} = 40235713030558126703779870063396609$$

$$R = 14.23925$$

$$P = x^{30} + 7x^{29} + 30x^{28} + 94x^{27} + 240x^{26} + 525x^{25} + 1017x^{24} + 1781x^{23} + 2861x^{22} + 4255x^{21} + 5898 \times x^{20} + 7659x^{19} + 9352x^{18} + 10768x^{17} + 11711x^{16} + 12043x^{15} + 11711x^{14} + 10768x^{13} + 9352x^{12} + 7659 \times x^{11} + 5898x^{10} + 4255x^9 + 2861x^8 + 1781x^7 + 1017x^6 + 525x^5 + 240x^4 + 94x^3 + 30x^2 + 7x + 1$$

d = 30; r₁ = 4;

$$\text{Disc} = -267441309055409394590543229244428119$$

$$R = 15.16728$$

$$P = x^{30} + 5x^{29} + 17x^{28} + 44x^{27} + 96x^{26} + 185x^{25} + 321x^{24} + 514x^{23} + 763x^{22} + 1063x^{21} + 1395x^{20} + 1734 \times x^{19} + 2048x^{18} + 2302x^{17} + 2469x^{16} + 2525x^{15} + 2469x^{14} + 2302x^{13} + 2048x^{12} + 1734x^{11} + 1395x^{10} + 1063 \times x^9 + 763x^8 + 514x^7 + 321x^6 + 185x^5 + 96x^4 + 44x^3 + 17x^2 + 5x + 1$$

d = 30; r₁ = 6;

$$\text{Disc} = 1674672950758358374381427791245916861$$

$$R = 16.12369$$

$$P = x^{30} + 12x^{29} + 66x^{28} + 225x^{27} + 545x^{26} + 1027x^{25} + 1611x^{24} + 2169x^{23} + 2444x^{22} + 2100x^{21} + 1007 \times x^{20} - 606x^{19} - 2429x^{18} - 4288x^{17} - 5852x^{16} - 6493x^{15} - 5852x^{14} - 4288x^{13} - 2429x^{12} - 606x^{11} + 1007 \times x^{10} + 2100x^9 + 2444x^8 + 2169x^7 + 1611x^6 + 1027x^5 + 545x^4 + 225x^3 + 66x^2 + 12x + 1$$

d = 30; r₁ = 8;

$$\text{Disc} = -8825303552842777459030943743978449611$$

$$R = 17.04215$$

$$P = x^{30} + 7x^{29} - 8x^{28} - 313x^{27} - 1985x^{26} - 7571x^{25} - 20796x^{24} - 44139x^{23} - 74602x^{22} - 100458 \times x^{21} - 103053x^{20} - 65755x^{19} + 13361x^{18} + 113909x^{17} + 198737x^{16} + 231949x^{15} + 198737x^{14} + 113909 \times x^{13} + 13361x^{12} - 65755x^{11} - 103053x^{10} - 100458x^9 - 74602x^8 - 44139x^7 - 20796x^6 - 7571x^5 - 1985 \times x^4 - 313x^3 - 8x^2 + 7x + 1$$

d = 30; r₁ = 10;

$$\text{Disc} = 327132260025992072350799967921952165669$$

$$R = 19.22313$$

$$P = x^{30} + x^{29} - 23x^{28} - 9x^{27} + 252x^{26} - 51x^{25} - 1631x^{24} + 1114x^{23} + 6556x^{22} - 7029x^{21} - 16928 \times x^{20} + 25370x^{19} + 26196x^{18} - 57547x^{17} - 17180x^{16} + 82491x^{15} - 13756x^{14} - 72015x^{13} + 38807x^{12} + 33473 \times x^{11} - 34594x^{10} - 3058x^9 + 14929x^8 - 4407x^7 - 2509x^6 + 1872x^5 - 207x^4 - 189x^3 + 86x^2 - 15x + 1$$

d = 30; r₁ = 12;

$$\text{Disc} = -6552581007634784669477301542905396251067$$

$$R = 21.24290$$

$$P = x^{30} + 3x^{29} - 40x^{28} - 266x^{27} - 510x^{26} + 626x^{25} + 5247x^{24} + 11618x^{23} + 8411x^{22} - 21656x^{21} - 82017 \times x^{20} - 139476x^{19} - 126372x^{18} + 19212x^{17} + 300283x^{16} + 640691x^{15} + 920560x^{14} + 1043257x^{13} + 984570 \times x^{12} + 793393x^{11} + 552843x^{10} + 335049x^9 + 176808x^8 + 81013x^7 + 32009x^6 + 10777x^5 + 3034x^4 + 693 \times x^3 + 122x^2 + 15x + 1$$

d = 30; r₁ = 14;

$$\text{Disc} = 22273455087131630969158200998606415931349$$

$$R = 22.12719$$

$$P = x^{30} + 5x^{29} - 17x^{28} - 117x^{27} + 96x^{26} + 1189x^{25} - 127x^{24} - 6942x^{23} - 584x^{22} + 25926x^{21} + 1133 \times x^{20} - 65416x^{19} + 8174x^{18} + 111738x^{17} - 39025x^{16} - 125245x^{15} + 75910x^{14} + 85281x^{13} - 81853x^{12} - 26727 \times x^{11} + 51306x^{10} - 4895x^9 - 17334x^8 + 7173x^7 + 2051x^6 - 2145x^5 + 354x^4 + 161x^3 - 84x^2 + 15x - 1$$

d = 30; r₁ = 16;

$$\text{Disc} = -369198267084669535193311976083255732638419$$

$$R = 24.29827$$

$$P = x^{30} + 6x^{29} - 17x^{28} - 149x^{27} + 124x^{26} + 1587x^{25} - 807x^{24} - 9153x^{23} + 5495x^{22} + 29931x^{21} - 24013 \times x^{20} - 56391x^{19} + 60838x^{18} + 57717x^{17} - 90230x^{16} - 21269x^{15} + 76105x^{14} - 14375x^{13} - 31334x^{12} + 15643 \times x^{11} + 2651x^{10} - 2035x^9 + 116x^8 - 1607x^7 + 1591x^6 - 221x^5 - 424x^4 + 301x^3 - 94x^2 + 15x - 1$$

d = 30; r₁ = 18 ;

$$\text{Disc} = 2828248766232352188419613001840498239644749$$

$$R = 26.00462$$

$$P = x^{30} + 10x^{29} - 33x^{28} - 284x^{27} + 467x^{26} + 2823x^{25} - 3427x^{24} - 14054x^{23} + 14419x^{22} + 41426x^{21} - 39120 \times x^{20} - 78772x^{19} + 74112x^{18} + 100680x^{17} - 102245x^{16} - 86409x^{15} + 104027x^{14} + 46056x^{13} - 77121x^{12} - 9617 \times x^{11} + 39992x^{10} - 5621x^9 - 13128x^8 + 5313x^7 + 1946x^6 - 1755x^5 + 198x^4 + 189x^3 - 86x^2 + 15x - 1$$

d = 30; r₁ = 20 ;

$$\text{Disc} = -26819172489044311092346317689475794422669375$$

$$R = 28.02947$$

$$P = x^{30} - 36x^{28} + 26x^{27} + 502x^{26} - 653x^{25} - 3386x^{24} + 6127x^{23} + 11709x^{22} - 28850x^{21} - 19350x^{20} + 77245 \times x^{19} + 4894x^{18} - 126294x^{17} + 39556x^{16} + 129141x^{15} - 80579x^{14} - 78960x^{13} + 80397x^{12} + 21673x^{11} - 46977 \times x^{10} + 5082x^9 + 15454x^8 - 6297x^7 - 1994x^6 + 1950x^5 - 276x^4 - 175x^3 + 85x^2 - 15x + 1$$

d = 30; r₁ = 22 ;

$$\text{Disc} = 947598663965150770871914788470099444329698961$$

$$R = 31.56609$$

$$P = x^{30} + 15x^{29} + 85x^{28} + 175x^{27} - 285x^{26} - 2067x^{25} - 2551x^{24} + 5463x^{23} + 17594x^{22} + 4290x^{21} - 41593 \times x^{20} - 48672x^{19} + 35871x^{18} + 103788x^{17} + 24941x^{16} - 102273x^{15} - 86307x^{14} + 37381x^{13} + 82625x^{12} + 17771 \times x^{11} - 36176x^{10} - 23966x^9 + 4416x^8 + 9538x^7 + 2070x^6 - 1455x^5 - 759x^4 - 4x^3 + 67x^2 + 15x + 1$$

d = 30; r₁ = 24 ;

$$\text{Disc} = -1338358628379015475290594234205127946481005871$$

$$R = 31.93148$$

$$P = x^{30} + 9x^{29} - 2x^{28} - 247x^{27} - 606x^{26} + 1696x^{25} + 8009x^{24} + 94x^{23} - 39033x^{22} - 37684x^{21} + 88408 \times x^{20} + 156548x^{19} - 79018x^{18} - 305190x^{17} - 49774x^{16} + 325759x^{15} + 192923x^{14} - 179910x^{13} - 201003 \times x^{12} + 24755x^{11} + 103372x^{10} + 26521x^9 - 24499x^8 - 15015x^7 + 585x^6 + 2769x^5 + 717x^4 - 91x^3 - 79x^2 - 15x - 1$$

d = 30; r₁ = 26 ;

$$\text{Disc} = 346391824390152683015125161645700944870543286121$$

$$R = 38.42840$$

$$P = T_{30} + T_{29} + T_{28} - T_{24} + T_{23} - T_{22} + 2T_{21} + 3T_{19} + T_{18} + 2T_{17} - T_{15} + T_{14} - 2T_{13} + 4T_{12} - 2T_{11} + 5 \times T_{10} - 3T_9 + 5T_8 - 3T_7 + 4T_6 - 3T_5 + 2T_4 - 2T_3 + 2T_2 + 1$$

d = 30; r₁ = 28 ;

$$\text{Disc} = -9972465844777781233345897696193869784229794902016$$

$$R = 42.98267$$

$$P = x^{30} + 15x^{29} + 87x^{28} + 203x^{27} - 155x^{26} - 2015x^{25} - 4093x^{24} + 739x^{23} + 17536x^{22} + 27434x^{21} - 10144 \times x^{20} - 85786x^{19} - 77086x^{18} + 95866x^{17} + 213654x^{16} + 7311x^{15} - 262363x^{14} - 134807x^{13} + 174585x^{12} + 158311 \times x^{11} - 57204x^{10} - 92190x^9 + 1162x^8 + 29216x^7 + 5481x^6 - 4467x^5 - 1600x^4 + 148x^3 + 138x^2 + 21x + 1$$

d = 30; r₁ = 30 ;

$$\text{Disc} = 17581401814197409148890873176573567284303576419397$$

$$R = 43.80279$$

$$P = T_{30} + T_{29} - T_{28} - T_{27} - T_{23} - T_{22} + T_{21} + T_{20} - T_{19} - T_{18} + T_{17} + 2T_{16} + T_{15} - T_{14} - T_{13} + T_{12} + T_{11} - T_{10} - 2 \times T_9 + 2T_7 - 2T_5 - T_4 + T_3 + 2T_2 - 2$$

d = 31; r₁ = 1;

Disc = -3272934557240904570281916516557625503

R = 15.06264

$P = x^{31} + 2x^{30} + 5x^{29} + 11x^{28} + 19x^{27} + 33x^{26} + 51x^{25} + 76x^{24} + 106x^{23} + 141x^{22} + 180x^{21} + 219 \times x^{20} + 257x^{19} + 289x^{18} + 314x^{17} + 329x^{16} + 332x^{15} + 324x^{14} + 304x^{13} + 276x^{12} + 240x^{11} + 201x^{10} + 162 \times x^9 + 124x^8 + 91x^7 + 63x^6 + 41x^5 + 25x^4 + 14x^3 + 7x^2 + 3x + 1$

d = 31; r₁ = 3;

Disc = 22412098238619651147574218378289284181

R = 16.02708

$P = x^{31} + 2x^{30} + 4x^{29} + 9x^{28} + 14x^{27} + 22x^{26} + 32x^{25} + 43x^{24} + 57x^{23} + 70x^{22} + 84x^{21} + 98x^{20} + 108 \times x^{19} + 117x^{18} + 122x^{17} + 122x^{16} + 120x^{15} + 114x^{14} + 104x^{13} + 93x^{12} + 80x^{11} + 66x^{10} + 54x^9 + 41x^8 + 31 \times x^7 + 22x^6 + 15x^5 + 10x^4 + 6x^3 + 3x^2 + 2x + 1$

d = 31; r₁ = 5;

Disc = -160213687509016987633045977865746941447

R = 17.07692

$P = x^{31} + x^{30} - 10x^{29} - 9x^{28} + 43x^{27} + 36x^{26} - 103x^{25} - 79x^{24} + 146x^{23} + 84x^{22} - 118x^{21} + 28x^{20} + 59 \times x^{19} - 220x^{18} - 82x^{17} + 279x^{16} + 144x^{15} - 86x^{14} - 24x^{13} - 89x^{12} - 246x^{11} - 49x^{10} + 282x^9 + 259x^8 - 27 \times x^7 - 183x^6 - 115x^5 + x^4 + 42x^3 + 27x^2 + 8x + 1$

d = 31; r₁ = 7;

Disc = 13078867837391270652841524702471887996413

R = 19.68262

$P = T_{31} + 3T_{30} + 7T_{29} + 13T_{28} + 24T_{27} + 40T_{26} + 65T_{25} + 98T_{24} + 145T_{23} + 204T_{22} + 282T_{21} + 374 \times T_{20} + 488T_{19} + 616T_{18} + 765T_{17} + 922T_{16} + 1094T_{15} + 1264T_{14} + 1437T_{13} + 1592T_{12} + 1734T_{11} + 1841 \times T_{10} + 1918T_9 + 1944T_8 + 1926T_7 + 1848T_6 + 1720T_5 + 1532T_4 + 1297T_3 + 1014T_2 + 698T_1 + 356$

d = 31; r₁ = 9;

Disc = -45582689385566884213142627306744859570707

R = 20.49152

$P = x^{31} + 3x^{30} - 10x^{29} - 30x^{28} + 40x^{27} + 135x^{26} - 63x^{25} - 491x^{24} - 66x^{23} + 1742x^{22} - 58x^{21} - 4872 \times x^{20} + 2961x^{19} + 8159x^{18} - 11166x^{17} - 4759x^{16} + 19071x^{15} - 8079x^{14} - 14811x^{13} + 18085x^{12} - 115 \times x^{11} - 13033x^{10} + 8615x^9 + 1545x^8 - 4959x^7 + 2440x^6 + 147x^5 - 736x^4 + 397x^3 - 109x^2 + 16x - 1$

d = 31; r₁ = 11;

Disc = 371651598420526100441800471178039572466857

R = 21.92664

$P = x^{31} + x^{30} - 10x^{29} + 6x^{28} + 33x^{27} - 99x^{26} + 74x^{25} + 302x^{24} - 910x^{23} + 293x^{22} + 2544x^{21} - 3913 \times x^{20} - 1548x^{19} + 9694x^{18} - 6988x^{17} - 8913x^{16} + 17996x^{15} - 4137x^{14} - 16536x^{13} + 16694x^{12} + 1689 \times x^{11} - 13419x^{10} + 8069x^9 + 1981x^8 - 5021x^7 + 2366x^6 + 193x^5 - 747x^4 + 398x^3 - 109x^2 + 16x - 1$

d = 31; r₁ = 13;

Disc = -1806413629604429415326379421584689957289919

R = 23.07401

$P = T_{31} + 2T_{29} + 3T_{27} + 5T_{25} + 7T_{23} + 9T_{21} + 11T_{19} + 13T_{17} + 14T_{15} + 15T_{13} + 15T_{11} + 15T_9 + T_8 + 14 \times T_7 + 11T_5 + 8T_3 + 4T_1$

d = 31; r₁ = 15;

Disc = 14212897586658044538195261308187152481500525

R = 24.66164

$P = T_{31} + T_{30} + 2T_{29} + T_{28} + 2T_{27} + T_{26} + 3T_{25} + 2T_{24} + 5T_{23} + 3T_{22} + 6T_{21} + 3T_{20} + 6T_{19} + 3T_{18} + 8T_{17} + 5 \times T_{16} + 9T_{15} + 4T_{14} + 8T_{13} + 4T_{12} + 9T_{11} + 5T_{10} + 9T_9 + 4T_8 + 7T_7 + 3T_6 + 6T_5 + 3T_4 + 4T_3 + 2T_2 + 3T_1 + 1$

d = 31; r₁ = 17;

Disc = -81342707733231034877178048228595174411269571

R = 26.08927

$P = T_{31} + T_{30} + 3T_{29} + 3T_{28} + 5T_{27} + 6T_{26} + 8T_{25} + 10T_{24} + 12T_{23} + 15T_{22} + 17T_{21} + 20T_{20} + 23T_{19} + 25 \times T_{18} + 29T_{17} + 29T_{16} + 34T_{15} + 32T_{14} + 38T_{13} + 33T_{12} + 40T_{11} + 32T_{10} + 40T_9 + 29T_8 + 37T_7 + 25T_6 + 30 \times T_5 + 19T_4 + 21T_3 + 12T_2 + 11T_1 + 4$

d = 31; r₁ = 19;

Disc = 2292959235490431210959513086338664127166348493

R = 29.05618

$$P = x^{31} + x^{30} + 89x^{29} - 443x^{28} - 2507x^{27} + 6523x^{26} + 20845x^{25} - 42505x^{24} - 85687x^{23} + 150905 \times x^{22} + 207538x^{21} - 329618x^{20} - 324673x^{19} + 476840x^{18} + 346433x^{17} - 477975x^{16} - 260540x^{15} + 341104 \times x^{14} + 140564x^{13} - 175751x^{12} - 54669x^{11} + 65548x^{10} + 15203x^9 - 17527x^8 - 2949x^7 + 3275x^6 + 379 \times x^5 - 406x^4 - 29x^3 + 30x^2 + x - 1$$

d = 31; r₁ = 21 ;

$$\text{Disc} = -7389384656389519096073284804490323501257619571$$

$$R = 30.17397$$

$$P = T_{31} + T_{29} + T_{28} + T_{27} + T_{26} + 2T_{25} + T_{24} + 2T_{23} + 2T_{22} + 2T_{21} + 2T_{20} + 3T_{19} + 2T_{18} + 3T_{17} + 3 \times T_{16} + 4T_{15} + 2T_{14} + 4T_{13} + 4T_{12} + 3T_{11} + 3T_{10} + 4T_9 + 2T_8 + 3T_7 + 3T_6 + 2T_5 + T_4 + 2T_3 + T_2 + 1$$

d = 31; r₁ = 23 ;

$$\text{Disc} = 321482283666339224262751505483126176698093291469$$

$$R = 34.07916$$

$$P = T_{31} + T_{25} + T_{19} - T_{16} + T_{15} - T_{14} + T_{13} - T_{12} - T_{10} + T_9 - T_8 - T_6 - T_4 + T_3 - T_1$$

d = 31; r₁ = 25 ;

$$\text{Disc} = -6614124256939654891999745310765704967957681583343$$

$$R = 37.57110$$

$$P = T_{31} + 2T_{30} + 3T_{29} + 4T_{28} + 5T_{27} + 6T_{26} + 7T_{25} + 8T_{24} + 8T_{23} + 9T_{22} + 9T_{21} + 9T_{20} + 9T_{19} + 9T_{18} + 9 \times T_{17} + 9T_{16} + 9T_{15} + 9T_{14} + 9T_{13} + 9T_{12} + 9T_{11} + 9T_{10} + 9T_9 + 9T_8 + 10T_7 + 9T_6 + 9T_5 + 8T_4 + 7T_3 + 6T_2 + 4T_1 + 2$$

d = 31; r₁ = 27 ;

$$\text{Disc} = 379824906828005290242665221037567214932236990290821$$

$$R = 42.81535$$

$$P = T_{31} - T_{29} - T_{28} + T_{27} - T_{25} - T_{24} + 2T_{23} + T_{22} - T_{21} - 2T_{20} + T_{19} + T_{18} - T_{17} - T_{16} + 2T_{15} + 2 \times T_{14} - T_{13} - T_{12} + T_{11} + 2T_{10} - T_9 - T_8 + T_6 - 2T_5 - 2T_4 + 2T_2 - 1$$

d = 31; r₁ = 29 ;

$$\text{Disc} = -63863244768425799891309219956690314371490146434370447$$

$$R = 50.51207$$

$$P = T_{31} - T_{29} - T_{28} - 2T_{27} - T_{24} + 2T_{22} + 4T_{21} + 5T_{20} + 5T_{19} + 2T_{18} + 3T_{17} + 4T_{16} + T_{15} - 2T_{14} - 5 \times T_{13} - 7T_{12} - 5T_{11} - 3T_{10} - 7T_9 - 6T_8 - 3T_7 + 4T_5 + 3T_4 + T_3 + 2T_2 + 6T_1 + 3$$

d = 31; r₁ = 31 ;

$$\text{Disc} = 5969951611179862448435020277931966050380029138325122889$$

$$R = 58.47454$$

$$P = T_{31} - T_{27} + T_{26} - T_{25} + T_{24} - T_{23} - T_{21} - T_{16} + T_{12} - T_{11} + T_{10} - T_9 + T_8 + T_6 + T_1$$

d = 32; r₁ = 0;

Disc = 2832373035155363956300058118269993449

R = 13.77621

$P = x^{32} + 8x^{31} + 33x^{30} + 87x^{29} + 148x^{28} + 113x^{27} - 208x^{26} - 985x^{25} - 2147x^{24} - 3167x^{23} - 3010x^{22} - 352 \times x^{21} + 5887x^{20} + 15710x^{19} + 27247x^{18} + 36826x^{17} + 40579x^{16} + 36826x^{15} + 27247x^{14} + 15710x^{13} + 5887 \times x^{12} - 352x^{11} - 3010x^{10} - 3167x^9 - 2147x^8 - 985x^7 - 208x^6 + 113x^5 + 148x^4 + 87x^3 + 33x^2 + 8x + 1$

d = 32; r₁ = 2;

Disc = -22371868315137377836430128428054819403

R = 14.69529

$P = x^{32} + 18x^{31} + 157x^{30} + 893x^{29} + 3716x^{28} + 11989x^{27} + 30946x^{26} + 64908x^{25} + 110975x^{24} + 152956 \times x^{23} + 163708x^{22} + 120558x^{21} + 24865x^{20} - 93527x^{19} - 195400x^{18} - 257358x^{17} - 277063x^{16} - 257358 \times x^{15} - 195400x^{14} - 93527x^{13} + 24865x^{12} + 120558x^{11} + 163708x^{10} + 152956x^9 + 110975x^8 + 64908x^7 + 30946 \times x^6 + 11989x^5 + 3716x^4 + 893x^3 + 157x^2 + 18x + 1$

d = 32; r₁ = 4;

Disc = 160245533904728963272530069227022082729

R = 15.62786

$P = x^{32} + 3x^{31} + 8x^{30} + 17x^{29} + 33x^{28} + 58x^{27} + 93x^{26} + 143x^{25} + 204x^{24} + 280x^{23} + 363x^{22} + 453 \times x^{21} + 540x^{20} + 618x^{19} + 682x^{18} + 720x^{17} + 737x^{16} + 720x^{15} + 682x^{14} + 618x^{13} + 540x^{12} + 453x^{11} + 363 \times x^{10} + 280x^9 + 204x^8 + 143x^7 + 93x^6 + 58x^5 + 33x^4 + 17x^3 + 8x^2 + 3x + 1$

d = 32; r₁ = 6;

Disc = -1420196258373873471247210326259007895031

R = 16.73058

$P = x^{32} + 16x^{31} + 142x^{30} + 890x^{29} + 4332x^{28} + 17206x^{27} + 57448x^{26} + 164398x^{25} + 408557x^{24} + 889714 \times x^{23} + 1707902x^{22} + 2899810x^{21} + 4359359x^{20} + 5793634x^{19} + 6773549x^{18} + 6895693x^{17} + 5989752 \times x^{16} + 4245450x^{15} + 2158856x^{14} + 310916x^{13} - 891119x^{12} - 1354658x^{11} - 1260758x^{10} - 902686x^9 - 525727 \times x^8 - 252924x^7 - 100367x^6 - 32451x^5 - 8358x^4 - 1654x^3 - 237x^2 - 22x - 1$

d = 32; r₁ = 8;

Disc = 30811982740785577180200671184581883441193

R = 18.41927

$P = x^{32} + 19x^{31} + 168x^{30} + 941x^{29} + 3818x^{28} + 12086x^{27} + 31165x^{26} + 66995x^{25} + 121024x^{24} + 182436 \times x^{23} + 222475x^{22} + 198789x^{21} + 74749x^{20} - 151837x^{19} - 428888x^{18} - 660303x^{17} - 750773x^{16} - 660303 \times x^{15} - 428888x^{14} - 151837x^{13} + 74749x^{12} + 198789x^{11} + 222475x^{10} + 182436x^9 + 121024x^8 + 66995 \times x^7 + 31165x^6 + 12086x^5 + 3818x^4 + 941x^3 + 168x^2 + 19x + 1$

d = 32; r₁ = 10;

Disc = -112743672289729447511371974117484589707847

R = 19.18129

$P = x^{32} + 8x^{31} + 28x^{30} + 64x^{29} + 108x^{28} + 124x^{27} + 87x^{26} - 19x^{25} - 187x^{24} - 349x^{23} - 561x^{22} - 734 \times x^{21} - 976x^{20} - 1191x^{19} - 1357x^{18} - 1509x^{17} - 1497x^{16} - 1509x^{15} - 1357x^{14} - 1191x^{13} - 976x^{12} - 734 \times x^{11} - 561x^{10} - 349x^9 - 187x^8 - 19x^7 + 87x^6 + 124x^5 + 108x^4 + 64x^3 + 28x^2 + 8x + 1$

d = 32; r₁ = 12;

Disc = 3178925737231189806558558402478146070180189

R = 21.29101

$P = x^{32} + 14x^{31} + 57x^{30} + 13x^{29} - 434x^{28} - 754x^{27} + 1084x^{26} + 3883x^{25} - 7x^{24} - 9945x^{23} - 6576x^{22} + 14521 \times x^{21} + 18816x^{20} - 9959x^{19} - 28601x^{18} - 5077x^{17} + 25608x^{16} + 20540x^{15} - 8837x^{14} - 22967x^{13} - 9378 \times x^{12} + 9967x^{11} + 13531x^{10} + 3713x^9 - 4701x^8 - 5083x^7 - 1579x^6 + 693x^5 + 905x^4 + 425x^3 + 111x^2 + 16x + 1$

d = 32; r₁ = 14;

Disc = -18366153211942017639418596175323579844515431

R = 22.49058

$P = x^{32} + 2x^{31} - 9x^{30} - 9x^{29} + 68x^{28} + 35x^{27} - 304x^{26} - 88x^{25} + 988x^{24} + 324x^{23} - 2355x^{22} - 1361 \times x^{21} + 4243x^{20} + 4273x^{19} - 5912x^{18} - 11188x^{17} + 2402x^{16} + 18894x^{15} + 11289x^{14} - 13607x^{13} - 21865 \times x^{12} - 4113x^{11} + 13516x^{10} + 11778x^9 + 364x^8 - 5070x^7 - 3153x^6 - 266x^5 + 619x^4 + 380x^3 + 108x^2 + 16x + 1$

d = 32; r₁ = 16;

Disc = 185213852681197907911747024522747470856812049

R = 24.17491

$$P = x^{32} - 18x^{30} - x^{29} + 136x^{28} + 7x^{27} - 572x^{26} - 23x^{25} + 1434x^{24} + 78x^{23} - 1972x^{22} - 270x^{21} + 613 \times x^{20} + 632x^{19} + 2581x^{18} - 943x^{17} - 4405x^{16} + 943x^{15} + 2581x^{14} - 632x^{13} + 613x^{12} + 270x^{11} - 1972 \times x^{10} - 78x^9 + 1434x^8 + 23x^7 - 572x^6 - 7x^5 + 136x^4 + x^3 - 18x^2 + 1$$

d = 32; r₁ = 18;

$$\text{Disc} = -600954158400386619370664545040880665597631791$$

$$R = 25.08065$$

$$P = x^{32} + 3x^{31} - 16x^{30} - 55x^{29} + 107x^{28} + 450x^{27} - 368x^{26} - 2167x^{25} + 551x^{24} + 6810x^{23} + 551x^{22} - 14598 \times x^{21} - 4246x^{20} + 21578x^{19} + 8569x^{18} - 21573x^{17} - 7444x^{16} + 13694x^{15} - 1880x^{14} - 4678x^{13} + 12152 \times x^{12} + 440x^{11} - 14148x^{10} + 77x^9 + 8690x^8 - 73x^7 - 3047x^6 + 167x^5 + 571x^4 - 89x^3 - 42x^2 + 13x - 1$$

d = 32; r₁ = 20;

$$\text{Disc} = 39276142006382400411109492747469943758644801609$$

$$R = 28.58028$$

$$P = x^{32} + x^{31} - 35x^{30} - 7x^{29} + 435x^{28} - 165x^{27} - 2623x^{26} + 1756x^{25} + 9159x^{24} - 6224x^{23} - 22614x^{22} + 10928 \times x^{21} + 43243x^{20} - 8973x^{19} - 64180x^{18} - 1616x^{17} + 72227x^{16} + 12772x^{15} - 60703x^{14} - 15815x^{13} + 37849 \times x^{12} + 11228x^{11} - 17406x^{10} - 5210x^9 + 5834x^8 + 1613x^7 - 1390x^6 - 323x^5 + 224x^4 + 38x^3 - 22x^2 - 2x + 1$$

d = 32; r₁ = 22;

$$\text{Disc} = -1834198924156298670114870363180624792750699093839$$

$$R = 32.22795$$

$$P = x^{32} + x^{31} - 41x^{30} - 21x^{29} + 716x^{28} - 11x^{27} - 6842x^{26} + 3634x^{25} + 37672x^{24} - 38280x^{23} - 116663 \times x^{22} + 180808x^{21} + 181397x^{20} - 464325x^{19} - 41595x^{18} + 666822x^{17} - 325691x^{16} - 468629x^{15} + 537465 \times x^{14} + 18490x^{13} - 334326x^{12} + 190013x^{11} + 35187x^{10} - 95030x^9 + 44720x^8 + 1261x^7 - 11113x^6 + 5348 \times x^5 - 904x^4 - 140x^3 + 92x^2 - 16x + 1$$

d = 32; r₁ = 24;

$$\text{Disc} = 4686429726500196449589285499819420856969838558781$$

$$R = 33.18668$$

$$P = T_{32} + 5T_{31} - 9T_{30} - 67T_{29} - 35T_{28} + 13T_{27} - 380T_{26} + 277T_{25} + 2013T_{24} - 47T_{23} + 3556T_{22} + 13520 \times T_{21} - 1902T_{20} + 8053T_{19} + 42717T_{18} - 40109T_{17} - 762T_{16} + 98195T_{15} - 201749T_{14} + 17743T_{13} + 205512 \times T_{12} - 579218T_{11} + 290130T_{10} + 297955T_9 - 1130107T_8 + 1102137T_7 + 12978T_6 - 1490701T_5 + 2255379 \times T_4 - 995841T_3 - 1124762T_2 + 2878514T_1 - 2307829$$

d = 32; r₁ = 26;

$$\text{Disc} = -143106104474205733256657562028605440000000000000000$$

$$R = 36.92873$$

$$P = x^{32} + 10x^{31} + 13x^{30} - 186x^{29} - 807x^{28} - 402x^{27} + 4441x^{26} + 10062x^{25} - 1709x^{24} - 35280x^{23} - 40946 \times x^{22} + 32572x^{21} + 115280x^{20} + 60900x^{19} - 110150x^{18} - 172132x^{17} - 20317x^{16} + 147670x^{15} + 124655 \times x^{14} - 19950x^{13} - 92603x^{12} - 48520x^{11} + 15620x^{10} + 30280x^9 + 11190x^8 - 3848x^7 - 5012x^6 - 1512x^5 + 240 \times x^4 + 320x^3 + 104x^2 + 16x + 1$$

d = 32; r₁ = 28;

$$\text{Disc} = 5632775278002526902107332133405403800466940676276224$$

$$R = 41.42000$$

$$P = T_{32} + 2T_{30} + T_{28} - T_{26} - T_{24} + 2T_{20} + 3T_{18} + T_{16} - 2T_{14} - 2T_{12} + 2T_8 + 2T_6 - 2T_2 - 1$$

d = 32; r₁ = 30;

$$\text{Disc} = -58766089152042389775307833489479337251136051081897271$$

$$R = 44.56924$$

$$P = x^{32} - 80x^{30} - 40x^{29} + 1980x^{28} + 1870x^{27} - 19586x^{26} - 22033x^{25} + 93810x^{24} + 104636x^{23} - 265739 \times x^{22} - 269599x^{21} + 496482x^{20} + 432985x^{19} - 647219x^{18} - 465807x^{17} + 606047x^{16} + 348987x^{15} - 413419 \times x^{14} - 185655x^{13} + 206340x^{12} + 70500x^{11} - 75037x^{10} - 18958x^9 + 19605x^8 + 3523x^7 - 3577x^6 - 430 \times x^5 + 432x^4 + 31x^3 - 31x^2 - x + 1$$

d = 32; r₁ = 32;

$$\text{Disc} = 203282392447840896882957090816000000000000000000000$$

$$R = 46.33169$$

$$P = T_{32} - T_{30} + T_{24} - T_{22} - T_8 + T_6 - 1$$

d = 33; r₁ = 1;

Disc = 579583210100771795371531048608889150177

R = 14.94995

$P = x^{33} - 11x^{31} + 6x^{30} + 55x^{29} - 60x^{28} - 152x^{27} + 270x^{26} + 213x^{25} - 717x^{24} + 6x^{23} + 1236x^{22} - 671 \times x^{21} - 1428x^{20} + 1595x^{19} + 1006x^{18} - 2334x^{17} + 6x^{16} + 2401x^{15} - 1188x^{14} - 1537x^{13} + 1734x^{12} + 267 \times x^{11} - 1268x^{10} + 431x^9 + 459x^8 - 377x^7 - 37x^6 + 134x^5 - 28x^4 - 22x^3 + 9x^2 + x - 1$

d = 33; r₁ = 3;

Disc = -16584073341631694604367877923062377195267

R = 16.54926

$P = x^{33} + 4x^{32} + 3x^{31} - 8x^{30} - 19x^{29} - 25x^{28} - 24x^{27} + 21x^{26} + 123x^{25} + 183x^{24} - 16x^{23} - 472x^{22} - 472 \times x^{21} + 438x^{20} + 1054x^{19} + 136x^{18} - 1263x^{17} - 979x^{16} + 990x^{15} + 1573x^{14} - 539x^{13} - 1615x^{12} + 226 \times x^{11} + 1211x^{10} - 110x^9 - 683x^8 + 83x^7 + 283x^6 - 58x^5 - 79x^4 + 27x^3 + 11x^2 - 7x + 1$

d = 33; r₁ = 5;

Disc = 292594490731318672072499815787486298679021

R = 18.05317

$P = x^{33} + 5x^{32} - x^{31} - 46x^{30} - 56x^{29} + 153x^{28} + 321x^{27} - 251x^{26} - 877x^{25} + 261x^{24} + 1598x^{23} - 332 \times x^{22} - 2269x^{21} + 740x^{20} + 2691x^{19} - 1514x^{18} - 2642x^{17} + 2298x^{16} + 1990x^{15} - 2610x^{14} - 939x^{13} + 2230 \times x^{12} - 9x^{11} - 1383x^{10} + 454x^9 + 550x^8 - 410x^7 - 70x^6 + 181x^5 - 56x^4 - 25x^3 + 25x^2 - 8x + 1$

d = 33; r₁ = 7;

Disc = -4403910285188863476276578975468189634782783

R = 19.59916

$P = x^{33} + 4x^{32} - 11x^{31} - 71x^{30} + 3x^{29} + 528x^{28} + 573x^{27} - 2037x^{26} - 4303x^{25} + 3587x^{24} + 16142 \times x^{23} + 2513x^{22} - 35678x^{21} - 28983x^{20} + 44440x^{19} + 72296x^{18} - 16806x^{17} - 95937x^{16} - 37768x^{15} + 66859 \times x^{14} + 68182x^{13} - 9705x^{12} - 47934x^{11} - 20769x^{10} + 11615x^9 + 14648x^8 + 3526x^7 - 2520x^6 - 2076x^5 - 486 \times x^4 + 79x^3 + 71x^2 + 15x + 1$

d = 33; r₁ = 9;

Disc = 10398566289046760550285700573605262117714649

R = 20.11614

$P = x^{33} - 12x^{31} + 4x^{30} + 45x^{29} - 76x^{28} - 25x^{27} + 398x^{26} - 462x^{25} - 843x^{24} + 2136x^{23} - 175x^{22} - 4461 \times x^{21} + 5513x^{20} + 3552x^{19} - 14952x^{18} + 5076x^{17} + 21410x^{16} - 18483x^{15} - 17430x^{14} + 25764x^{13} + 6013 \times x^{12} - 20892x^{11} + 2509x^{10} + 10236x^9 - 3808x^8 - 2765x^7 + 1806x^6 + 247x^5 - 402x^4 + 53x^3 + 32x^2 - 11x + 1$

d = 33; r₁ = 11;

Disc = -57097631590835689754656342337992490132984059

R = 21.18157

$P = x^{33} + 2x^{32} - 18x^{31} - 48x^{30} + 125x^{29} + 482x^{28} - 344x^{27} - 2691x^{26} - 507x^{25} + 9168x^{24} + 7289 \times x^{23} - 19103x^{22} - 27106x^{21} + 20868x^{20} + 56443x^{19} + 1619x^{18} - 70383x^{17} - 41449x^{16} + 45771x^{15} + 61983 \times x^{14} - 196x^{13} - 42434x^{12} - 23758x^{11} + 9292x^{10} + 16222x^9 + 5093x^8 - 2946x^7 - 3076x^6 - 845x^5 + 210 \times x^4 + 238x^3 + 82x^2 + 14x + 1$

d = 33; r₁ = 13;

Disc = 1880585980076646136600663800609871454399479153

R = 23.54769

$P = x^{33} + 4x^{32} - 14x^{31} - 61x^{30} + 104x^{29} + 399x^{28} - 649x^{27} - 1544x^{26} + 3138x^{25} + 3581x^{24} - 10763 \times x^{23} - 3490x^{22} + 25515x^{21} - 6251x^{20} - 40727x^{19} + 29773x^{18} + 40466x^{17} - 54766x^{16} - 17504x^{15} + 58812 \times x^{14} - 11014x^{13} - 37550x^{12} + 21855x^{11} + 11883x^{10} - 14471x^9 + 376x^8 + 4667x^7 - 1570x^6 - 577x^5 + 441 \times x^4 - 38x^3 - 35x^2 + 11x - 1$

d = 33; r₁ = 15;

Disc = -45078086504387688770000030907754186325845211767

R = 25.92725

$P = T_{33} + T_{32} + 7T_{31} + 24T_{30} + 16T_{29} + 187T_{28} - 4T_{27} + 863T_{26} - 152T_{25} + 2882T_{24} - 635T_{23} + 7551 \times T_{22} - 1751T_{21} + 16212T_{20} - 3801T_{19} + 29317T_{18} - 6826T_{17} + 45428T_{16} - 10247T_{15} + 61007T_{14} - 12767 \times T_{13} + 71400T_{12} - 12853T_{11} + 72817T_{10} - 9792T_9 + 64360T_8 - 4439T_7 + 48771T_6 + 963T_5 + 31142T_4 + 3941 \times T_3 + 15993T_2 + 3300T_1 + 4732$

d = 33; r₁ = 17;

Disc = 234650299481903174881865497229898250695854615797

R = 27.25633

$$P = x^{33} - 34x^{31} - 17x^{30} + 368x^{29} + 368x^{28} - 1108x^{27} - 1800x^{26} - 1844x^{25} - 2038x^{24} + 4760x^{23} + 14968 \times x^{22} + 17685x^{21} + 14632x^{20} - 1334x^{19} - 35711x^{18} - 67504x^{17} - 80320x^{16} - 68500x^{15} - 23428x^{14} + 44650 \times x^{13} + 108963x^{12} + 151552x^{11} + 163936x^{10} + 145732x^9 + 108912x^8 + 69390x^7 + 37263x^6 + 16224x^5 + 5440 \times x^4 + 1328x^3 + 220x^2 + 22x + 1$$

d = 33; r₁ = 19;

$$\text{Disc} = -818901095398475346280334178044365003258922430503$$

$$R = 28.30845$$

$$P = x^{33} + x^{32} - 24x^{31} - 28x^{30} + 242x^{29} + 334x^{28} - 1340x^{27} - 2267x^{26} + 4351x^{25} + 9754x^{24} - 7543 \times x^{23} - 27779x^{22} + 1355x^{21} + 52416x^{20} + 26234x^{19} - 61861x^{18} - 67247x^{17} + 34874x^{16} + 86577x^{15} + 13228 \times x^{14} - 61961x^{13} - 39567x^{12} + 18839x^{11} + 29567x^{10} + 4617x^9 - 9424x^8 - 5322x^7 + 451x^6 + 1276x^5 + 333 \times x^4 - 54x^3 - 34x^2 - x + 1$$

d = 33; r₁ = 21;

$$\text{Disc} = 24986589967327598951232001335802092926288033687881$$

$$R = 31.39787$$

$$P = x^{33} - 51x^{31} + 90x^{30} + 1175x^{29} - 1905x^{28} - 11345x^{27} + 15928x^{26} + 57425x^{25} - 71953x^{24} - 173732 \times x^{23} + 200859x^{22} + 341478x^{21} - 373904x^{20} - 460465x^{19} + 486474x^{18} + 441171x^{17} - 455502x^{16} - 306724 \times x^{15} + 312171x^{14} + 156285x^{13} - 157690x^{12} - 58334x^{11} + 58569x^{10} + 15761x^9 - 15784x^8 - 2999x^7 + 3000 \times x^6 + 381x^5 - 381x^4 - 29x^3 + 29x^2 + x - 1$$

d = 33; r₁ = 23;

$$\text{Disc} = -252805021129713916853059367243443897551546290899463$$

$$R = 33.67884$$

$$P = x^{33} + 7x^{32} - 6x^{31} - 134x^{30} - 107x^{29} + 1100x^{28} + 1638x^{27} - 4943x^{26} - 10320x^{25} + 12399x^{24} + 38186 \times x^{23} - 12403x^{22} - 90297x^{21} - 22337x^{20} + 136175x^{19} + 101696x^{18} - 116686x^{17} - 171921x^{16} + 21639 \times x^{15} + 156740x^{14} + 66980x^{13} - 67065x^{12} - 74040x^{11} - 5415x^{10} + 29495x^9 + 17336x^8 - 619x^7 - 4965 \times x^6 - 2256x^5 - 184x^4 + 202x^3 + 87x^2 + 15x + 1$$

d = 33; r₁ = 25;

$$\text{Disc} = 3765461430843975057927366845953566699159630851534413$$

$$R = 36.55136$$

$$P = T_{33} + T_{32} + 2T_{31} + 4T_{30} + 3T_{29} + 5T_{28} + 3T_{27} + 2T_{26} + T_{25} - 4T_{24} - T_{23} - 6T_{22} - 2T_{21} + 8T_{18} + 4 \times T_{17} + 10T_{16} + 5T_{15} + 3T_{14} + 2T_{13} - 6T_{12} - 3T_{11} - 8T_{10} - 4T_9 - 4T_8 - T_7 + 3T_6 + 2T_5 + 6T_4 + 3T_3 + 5T_2 + T_1 + 2$$

d = 33; r₁ = 27;

$$\text{Disc} = -31041055199388874363709859918511485618292347968653531$$

$$R = 38.96411$$

$$P = T_{33} + 2T_{32} + 8T_{31} + 15T_{30} + 31T_{29} + 53T_{28} + 81T_{27} + 135T_{26} + 172T_{25} + 290T_{24} + 316T_{23} + 539T_{22} + 509 \times T_{21} + 887T_{20} + 734T_{19} + 1322T_{18} + 964T_{17} + 1807T_{16} + 1161T_{15} + 2275T_{14} + 1283T_{13} + 2647T_{12} + 1307 \times T_{11} + 2853T_{10} + 1232T_9 + 2836T_8 + 1066T_7 + 2560T_6 + 832T_5 + 2038T_4 + 566T_3 + 1315T_2 + 287T_1 + 455$$

d = 33; r₁ = 29;

$$\text{Disc} = 6098447211586081643162372631748636230579207264597650833$$

$$R = 45.72547$$

$$P = T_{33} - T_{31} - T_{27} + T_{25} + T_{15} - T_{13} - T_9 + T_7 - T_2 - T_1$$

d = 33; r₁ = 31;

$$\text{Disc} = -1927327556857844458926352113809237657969410791265505536783$$

$$R = 54.43870$$

$$P = T_{33} + 11T_{32} + 60T_{31} + 220T_{30} + 609T_{29} + 1336T_{28} + 2354T_{27} + 3253T_{26} + 3123T_{25} + 689T_{24} - 5154 \times T_{23} - 14511T_{22} - 25733T_{21} - 35235T_{20} - 38225T_{19} - 30267T_{18} - 9163T_{17} + 23627T_{16} + 62749T_{15} + 100152 \times T_{14} + 127348T_{13} + 137831T_{12} + 128644T_{11} + 100552T_{10} + 57044T_9 + 2953T_8 - 56420T_7 - 115319T_6 - 167064 \times T_5 - 203889T_4 - 217842T_3 - 202870T_2 - 157389T_1 - 86114$$

d = 33; r₁ = 33;

$$\text{Disc} = 4871793100789572873437031208178289021756275746106614539449$$

$$R = 55.99017$$

$$P = T_{33} + 2T_{32} + T_{29} - 3T_{28} - T_{27} + 2T_{26} - T_{25} + 3T_{24} + 3T_{23} - T_{22} + T_{21} - 3T_{20} - 2T_{19} + T_{18} - 2T_{17} + 5 \times T_{16} + 3T_{15} - 2T_{14} + 4T_{13} - 3T_{12} - 4T_{11} + 2T_{10} - 3T_9 + 2T_8 + 3T_7 - T_6 + 3T_5 - 2T_4 - T_3 + T_2 - 4T_1 + 2$$

d = 34; r₁ = 0;

$$\text{Disc} = -743532841582261457023917356838715873559$$

$$R = 13.90828$$

$$P = x^{34} + 9x^{33} + 43x^{32} + 143x^{31} + 373x^{30} + 822x^{29} + 1622x^{28} + 2984x^{27} + 5183x^{26} + 8356x^{25} + 12071 \times x^{24} + 14910x^{23} + 14595x^{22} + 9040x^{21} - 2003x^{20} - 15853x^{19} - 27517x^{18} - 32087x^{17} - 27517x^{16} - 15853 \times x^{15} - 2003x^{14} + 9040x^{13} + 14595x^{12} + 14910x^{11} + 12071x^{10} + 8356x^9 + 5183x^8 + 2984x^7 + 1622x^6 + 822 \times x^5 + 373x^4 + 143x^3 + 43x^2 + 9x + 1$$

d = 34; r₁ = 2;

$$\text{Disc} = 5259166570734565370923945045940136411601$$

$$R = 14.73202$$

$$P = x^{34} + x^{33} + x^{32} - x^{31} - 2x^{30} - 2x^{29} + x^{28} + 3x^{27} + 4x^{26} + x^{25} - 3x^{24} - 4x^{23} - 2x^{22} + 3x^{21} + 4x^{20} + 2x^{19} - 4 \times x^{18} - 5x^{17} - 4x^{16} + 2x^{15} + 4x^{14} + 3x^{13} - 2x^{12} - 4x^{11} - 3x^{10} + x^9 + 4x^8 + 3x^7 + x^6 - 2x^5 - 2x^4 - x^3 + x^2 + x + 1$$

d = 34; r₁ = 4;

$$\text{Disc} = -139643950820078879621377085422697436786523$$

$$R = 16.22362$$

$$P = x^{34} + 10x^{33} + 55x^{32} + 218x^{31} + 683x^{30} + 1773x^{29} + 3913x^{28} + 7435x^{27} + 12192x^{26} + 17081x^{25} + 19771 \times x^{24} + 17029x^{23} + 5871x^{22} - 14720x^{21} - 42333x^{20} - 70965x^{19} - 92720x^{18} - 100855x^{17} - 92720x^{16} - 70965 \times x^{15} - 42333x^{14} - 14720x^{13} + 5871x^{12} + 17029x^{11} + 19771x^{10} + 17081x^9 + 12192x^8 + 7435x^7 + 3913 \times x^6 + 1773x^5 + 683x^4 + 218x^3 + 55x^2 + 10x + 1$$

d = 34; r₁ = 6;

$$\text{Disc} = 2944950677661335448012014644252210522936729$$

$$R = 17.74559$$

$$P = x^{34} + 12x^{33} + 70x^{32} + 275x^{31} + 842x^{30} + 2165x^{29} + 4861x^{28} + 9759x^{27} + 17812x^{26} + 29907x^{25} + 46580 \times x^{24} + 67716x^{23} + 92325x^{22} + 118479x^{21} + 143482x^{20} + 164296x^{19} + 178119x^{18} + 182967x^{17} + 178119 \times x^{16} + 164296x^{15} + 143482x^{14} + 118479x^{13} + 92325x^{12} + 67716x^{11} + 46580x^{10} + 29907x^9 + 17812x^8 + 9759 \times x^7 + 4861x^6 + 2165x^5 + 842x^4 + 275x^3 + 70x^2 + 12x + 1$$

d = 34; r₁ = 8;

$$\text{Disc} = -21761894542761619209522698663294535039648811$$

$$R = 18.82080$$

$$P = x^{34} + 14x^{33} + 98x^{32} + 459x^{31} + 1622x^{30} + 4621x^{29} + 11051x^{28} + 22724x^{27} + 40672x^{26} + 63554 \times x^{25} + 86205x^{24} + 99594x^{23} + 93178x^{22} + 59519x^{21} - 362x^{20} - 73809x^{19} - 138797x^{18} - 172451x^{17} - 161809 \times x^{16} - 110413x^{15} - 37194x^{14} + 31292x^{13} + 72173x^{12} + 76717x^{11} + 53751x^{10} + 22438x^9 - 671x^8 - 9977 \times x^7 - 9394x^6 - 5463x^5 - 2249x^4 - 664x^3 - 135x^2 - 17x - 1$$

d = 34; r₁ = 10;

$$\text{Disc} = 260276753372677855740278280163221141400901561$$

$$R = 20.24586$$

$$P = x^{34} + 10x^{33} + 23x^{32} - 45x^{31} - 169x^{30} + 107x^{29} + 401x^{28} - 374x^{27} + 153x^{26} + 1127x^{25} - 4381 \times x^{24} - 1886x^{23} + 17657x^{22} + 2885x^{21} - 43395x^{20} - 9241x^{19} + 73410x^{18} + 27374x^{17} - 86896x^{16} - 52043 \times x^{15} + 68840x^{14} + 64316x^{13} - 29778x^{12} - 51403x^{11} - 1884x^{10} + 24206x^9 + 10298x^8 - 4457x^7 - 4977 \times x^6 - 1017x^5 + 577x^4 + 424x^3 + 120x^2 + 17x + 1$$

d = 34; r₁ = 12;

$$\text{Disc} = -22071117228000792902573346263269092049774170719$$

$$R = 23.07032$$

$$P = x^{34} + 10x^{33} + 37x^{32} + 34x^{31} - 203x^{30} - 860x^{29} - 1368x^{28} + 108x^{27} + 5170x^{26} + 11812x^{25} + 13298 \times x^{24} + 3090x^{23} - 17629x^{22} - 38629x^{21} - 48625x^{20} - 44939x^{19} - 35239x^{18} - 30367x^{17} - 35239x^{16} - 44939 \times x^{15} - 48625x^{14} - 38629x^{13} - 17629x^{12} + 3090x^{11} + 13298x^{10} + 11812x^9 + 5170x^8 + 108x^7 - 1368x^6 - 860 \times x^5 - 203x^4 + 34x^3 + 37x^2 + 10x + 1$$

d = 34; r₁ = 14;

$$\text{Disc} = 33747664370538500144906310066705455912219147581$$

$$R = 23.36026$$

$$P = x^{34} + 9x^{33} + 25x^{32} - 13x^{31} - 241x^{30} - 584x^{29} - 251x^{28} + 1990x^{27} + 5526x^{26} + 5351x^{25} - 5090 \times x^{24} - 23738x^{23} - 33013x^{22} - 11558x^{21} + 39096x^{20} + 82641x^{19} + 74519x^{18} + 7424x^{17} - 73482x^{16} - 107561 \times x^{15} - 72403x^{14} - 115x^{13} + 56097x^{12} + 66839x^{11} + 41217x^{10} + 7475x^9 - 13369x^8 - 17705x^7 - 12817 \times x^6 - 6553x^5 - 2487x^4 - 696x^3 - 137x^2 - 17x - 1$$

d = 34; r₁ = 16;

$$\text{Disc} = -918585012534537218476001610680913198308760996719$$

$$R = 25.74423$$

$$P = T_{34} + 4T_{32} + 10T_{30} + 20T_{28} + 35T_{26} + 55T_{24} + 80T_{22} + 109T_{20} - T_{19} + 140T_{18} - T_{17} + 170T_{16} - T_{15} + 195 \times T_{14} - T_{13} + 211T_{12} - T_{11} + 216T_{10} - T_9 + 206T_8 - T_7 + 181T_6 - T_5 + 141T_4 - T_3 + 90T_2 - T_1 + 31$$

$$\mathbf{d} = \mathbf{34}; \mathbf{r}_1 = \mathbf{18};$$

$$\text{Disc} = 4380568675134654109096983527391427382630563317421$$

$$R = 26.95462$$

$$P = x^{34} + 4x^{33} - 30x^{32} - 80x^{31} + 212x^{30} + 558x^{29} - 228x^{28} - 1069x^{27} - 1349x^{26} - 2133x^{25} + 1913 \times x^{24} + 8932x^{23} + 7047x^{22} + 2298x^{21} - 11386x^{20} - 48177x^{19} - 34391x^{18} + 77356x^{17} + 121206x^{16} - 23132 \times x^{15} - 150415x^{14} - 66106x^{13} + 80738x^{12} + 86083x^{11} - 816x^{10} - 40547x^9 - 19151x^8 + 4219x^7 + 7019 \times x^6 + 2187x^5 - 251x^4 - 376x^3 - 117x^2 - 17x - 1$$

$$\mathbf{d} = \mathbf{34}; \mathbf{r}_1 = \mathbf{20};$$

$$\text{Disc} = -326165470780284135037609166282460267958918255031411$$

$$R = 30.59774$$

$$P = x^{34} + 5x^{33} - 10x^{32} - 106x^{31} - 164x^{30} + 379x^{29} + 1620x^{28} + 1325x^{27} - 3584x^{26} - 9802x^{25} - 5115 \times x^{24} + 15814x^{23} + 31972x^{22} + 11390x^{21} - 39703x^{20} - 63376x^{19} - 16246x^{18} + 60997x^{17} + 80242x^{16} + 16539 \times x^{15} - 57853x^{14} - 65369x^{13} - 13242x^{12} + 32314x^{11} + 33102x^{10} + 8086x^9 - 9167x^8 - 9406x^7 - 3083x^6 + 688 \times x^5 + 1104x^4 + 504x^3 + 125x^2 + 17x + 1$$

$$\mathbf{d} = \mathbf{34}; \mathbf{r}_1 = \mathbf{22};$$

$$\text{Disc} = 3000826615320863684329590347835753438565034791280581$$

$$R = 32.66153$$

$$P = x^{34} + 2x^{33} - 37x^{32} - 20x^{31} + 475x^{30} - 300x^{29} - 2620x^{28} + 5368x^{27} + 3734x^{26} - 31157x^{25} + 27506 \times x^{24} + 85285x^{23} - 161616x^{22} - 97502x^{21} + 404251x^{20} - 58820x^{19} - 569528x^{18} + 349299x^{17} + 450819 \times x^{16} - 514347x^{15} - 140667x^{14} + 402108x^{13} - 73947x^{12} - 171402x^{11} + 94071x^{10} + 28275x^9 - 38772x^8 + 6064 \times x^7 + 6299x^6 - 3182x^5 + 146x^4 + 312x^3 - 113x^2 + 17x - 1$$

$$\mathbf{d} = \mathbf{34}; \mathbf{r}_1 = \mathbf{24};$$

$$\text{Disc} = -8039907571271628246222872748882652053878316303806171$$

$$R = 33.62212$$

$$P = x^{34} + 15x^{33} + 69x^{32} - 9x^{31} - 930x^{30} - 1897x^{29} + 3299x^{28} + 14822x^{27} + 3954x^{26} - 46034x^{25} - 56148 \times x^{24} + 54220x^{23} + 155986x^{22} + 41840x^{21} - 187614x^{20} - 200420x^{19} + 46702x^{18} + 222583x^{17} + 127399 \times x^{16} - 63134x^{15} - 126768x^{14} - 63598x^{13} + 14220x^{12} + 44896x^{11} + 32038x^{10} + 5122x^9 - 10340x^8 - 9616 \times x^7 - 3098x^6 + 688x^5 + 1104x^4 + 504x^3 + 125x^2 + 17x + 1$$

$$\mathbf{d} = \mathbf{34}; \mathbf{r}_1 = \mathbf{26};$$

$$\text{Disc} = 302988169558717831454516931785202852349972320140134949$$

$$R = 37.40960$$

$$P = x^{34} + 3x^{33} - 40x^{32} - 149x^{31} + 428x^{30} + 1904x^{29} - 2276x^{28} - 11465x^{27} + 8334x^{26} + 38342x^{25} - 24554 \times x^{24} - 72505x^{23} + 47873x^{22} + 67561x^{21} - 29509x^{20} - 17130x^{19} - 79952x^{18} + 19669x^{17} + 194093x^{16} - 118590 \times x^{15} - 168110x^{14} + 185168x^{13} + 39642x^{12} - 130310x^{11} + 36740x^{10} + 39442x^9 - 29380x^8 + 422x^7 + 6876 \times x^6 - 2722x^5 - 50x^4 + 344x^3 - 115x^2 + 17x - 1$$

$$\mathbf{d} = \mathbf{34}; \mathbf{r}_1 = \mathbf{28};$$

$$\text{Disc} = -4730588872792549701909681898340240597349108702071733103$$

$$R = 40.55886$$

$$P = T_{34} + T_{32} + T_{30} - T_{29} + T_{28} - T_{27} + 2T_{26} - T_{25} + T_{24} - T_{23} - 2T_{21} - T_{19} - T_{17} - T_{15} - T_{13} - T_{10} - T_9 - T_7 - T_2 - T_1$$

$$\mathbf{d} = \mathbf{34}; \mathbf{r}_1 = \mathbf{30};$$

$$\text{Disc} = 111688208128544115224153498701582125693932460508432039936$$

$$R = 44.51135$$

$$P = x^{34} - 84x^{32} + 1765x^{30} - 17544x^{28} + 100257x^{26} - 360919x^{24} + 862915x^{22} - 1419975x^{20} + 1650890 \times x^{18} - 1381873x^{16} + 842873x^{14} - 376524x^{12} + 122827x^{10} - 28879x^8 + 4759x^6 - 521x^4 + 34x^2 - 1$$

$$\mathbf{d} = \mathbf{34}; \mathbf{r}_1 = \mathbf{32};$$

$$\text{Disc} = -84166130353204691255003850092158860729235139811627986059264$$

$$R = 54.08692$$

$$P = T_{34} - T_{32} - T_{28} + T_{26} - T_{18} + T_{16} - T_{14} + T_{12} - T_{10} + T_8 - 1$$

$$\mathbf{d} = \mathbf{34}; \mathbf{r}_1 = \mathbf{34};$$

$$\text{Disc} = 306630948514600591692892969280466407229200409712969714833809$$

$$R = 56.18318$$

$$\begin{aligned}
P = & x^{34} + 17x^{33} + 104x^{32} + 168x^{31} - 994x^{30} - 4742x^{29} - 1020x^{28} + 34498x^{27} + 56367x^{26} - 117039 \times \\
& x^{25} - 374577x^{24} + 139836x^{23} + 1361099x^{22} + 414331x^{21} - 3230989x^{20} - 2291364x^{19} + 5358776x^{18} + 5384364 \times \\
& x^{17} - 6436108x^{16} - 7956164x^{15} + 5750749x^{14} + 8000489x^{13} - 3929101x^{12} - 5543324x^{11} + 2097497 \times \\
& x^{10} + 2581529x^9 - 861451x^8 - 756328x^7 + 248699x^6 + 121349x^5 - 42042x^4 - 7520x^3 + 2991x^2 - 99x - 1
\end{aligned}$$

d = 35; r₁ = 1 ;

$$\text{Disc} = -27428038461725492019801873842416628508876911$$

$$R = 17.42173$$

$$P = x^{35} + 4x^{34} + 10x^{33} + 21x^{32} + 40x^{31} + 70x^{30} + 113x^{29} + 171x^{28} + 246x^{27} + 337x^{26} + 443x^{25} + 559 \times x^{24} + 679x^{23} + 797x^{22} + 905x^{21} + 994x^{20} + 1057x^{19} + 1089x^{18} + 1089x^{17} + 1056x^{16} + 992x^{15} + 902x^{14} + 795 \times x^{13} + 677x^{12} + 557x^{11} + 441x^{10} + 336x^9 + 245x^8 + 171x^7 + 113x^6 + 70x^5 + 40x^4 + 21x^3 + 10x^2 + 4x + 1$$

d = 35; r₁ = 3 ;

$$\text{Disc} = 427568846807291172848066088750924922944431477$$

$$R = 18.84394$$

$$P = x^{35} + 25x^{34} + 273x^{33} + 1928x^{32} + 10100x^{31} + 41234x^{30} + 133150x^{29} + 332632x^{28} + 573072x^{27} + 259373x^{26} - 2647641x^{25} - 12982207x^{24} - 39361608x^{23} - 93160184x^{22} - 183913134x^{21} - 311676578 \times x^{20} - 460338993x^{19} - 597799947x^{18} - 686181445x^{17} - 698328228x^{16} - 631036491x^{15} - 506408941x^{14} - 360563402x^{13} - 227297643x^{12} - 126455002x^{11} - 61806582x^{10} - 26378615x^9 - 9752498x^8 - 3090775 \times x^7 - 828055x^6 - 184033x^5 - 33043x^4 - 4609x^3 - 469x^2 - 31x - 1$$

d = 35; r₁ = 5 ;

$$\text{Disc} = -2352412278796348582119649218833980634301365527$$

$$R = 19.78468$$

$$P = x^{35} - 18x^{33} + 132x^{31} - 47x^{30} - 550x^{29} + 470x^{28} + 1221x^{27} - 2115x^{26} - 396x^{25} + 4597x^{24} - 5808 \times x^{23} - 1526x^{22} + 16189x^{21} - 17360x^{20} - 13828x^{19} + 45155x^{18} - 18829x^{17} - 47072x^{16} + 60052x^{15} + 5548 \times x^{14} - 60514x^{13} + 37240x^{12} + 18784x^{11} - 35704x^{10} + 12417x^9 + 9139x^8 - 10594x^7 + 3221x^6 + 1125 \times x^5 - 1406x^4 + 598x^3 - 140x^2 + 18x - 1$$

d = 35; r₁ = 7 ;

$$\text{Disc} = 942356022102251485953316039713396207843567929$$

$$R = 19.27425$$

$$P = x^{35} - 12x^{33} + 12x^{32} + 66x^{31} - 132x^{30} - 150x^{29} + 660x^{28} - 241x^{27} - 1730x^{26} + 2682x^{25} + 1434 \times x^{24} - 8321x^{23} + 5664x^{22} + 12459x^{21} - 22741x^{20} - 2998x^{19} + 38415x^{18} - 24155x^{17} - 30657x^{16} + 47449 \times x^{15} - 1828x^{14} - 39657x^{13} + 27091x^{12} + 9404x^{11} - 22195x^{10} + 9092x^9 + 4568x^8 - 6515x^7 + 2421x^6 + 457 \times x^5 - 871x^4 + 423x^3 - 111x^2 + 16x - 1$$

d = 35; r₁ = 9 ;

$$\text{Disc} = -128126082690971991804625155550555830585394205251$$

$$R = 22.17852$$

$$P = x^{35} + 2x^{34} + x^{33} - 32x^{32} - 106x^{31} - 41x^{30} + 502x^{29} + 1294x^{28} + 664x^{27} - 3163x^{26} - 7685x^{25} - 4544 \times x^{24} + 11023x^{23} + 26087x^{22} + 15751x^{21} - 23616x^{20} - 53831x^{19} - 31251x^{18} + 32017x^{17} + 69341x^{16} + 37740 \times x^{15} - 27041x^{14} - 55631x^{13} - 28310x^{12} + 13191x^{11} + 26734x^{10} + 12986x^9 - 2873x^8 - 6915x^7 - 3391 \times x^6 - 117x^5 + 694x^4 + 394x^3 + 109x^2 + 16x + 1$$

d = 35; r₁ = 11 ;

$$\text{Disc} = 4780177030400042703417388147963706262862282175713$$

$$R = 24.59468$$

$$P = x^{35} + 2x^{34} - 49x^{33} - 145x^{32} + 788x^{31} + 2948x^{30} - 3506x^{29} - 22896x^{28} - 3222x^{27} + 89221x^{26} + 73280 \times x^{25} - 198218x^{24} - 278596x^{23} + 253104x^{22} + 583000x^{21} - 139821x^{20} - 789248x^{19} - 99668x^{18} + 728704 \times x^{17} + 278305x^{16} - 462946x^{15} - 282721x^{14} + 195826x^{13} + 175424x^{12} - 48336x^{11} - 72108x^{10} + 2482 \times x^9 + 19607x^8 + 2614x^7 - 3318x^6 - 920x^5 + 289x^4 + 136x^3 - 3x^2 - 8x - 1$$

d = 35; r₁ = 13 ;

$$\text{Disc} = -9213742165089221703951921950046583379388984540011$$

$$R = 25.06016$$

$$P = x^{35} - 60x^{33} - 60x^{32} + 1430x^{31} + 1430x^{30} - 13802x^{29} - 13802x^{28} + 72679x^{27} + 72679x^{26} - 238064 \times x^{25} - 238064x^{24} + 522892x^{23} + 522892x^{22} - 807544x^{21} - 807544x^{20} + 904350x^{19} + 904350x^{18} - 748760 \times x^{17} - 748760x^{16} + 463183x^{15} + 463183x^{14} - 214639x^{13} - 214639x^{12} + 74096x^{11} + 74096x^{10} - 18760 \times x^9 - 18760x^8 + 3380x^7 + 3380x^6 - 410x^5 - 410x^4 + 30x^3 + 30x^2 - x - 1$$

d = 35; r₁ = 15 ;

$$\text{Disc} = 42610203382551649025020571916554794408971082984513$$

$$R = 26.18099$$

$$P = x^{35} + 8x^{34} + 3x^{33} - 137x^{32} - 299x^{31} + 898x^{30} + 3418x^{29} - 2115x^{28} - 19614x^{27} - 6095x^{26} + 67635 \times x^{25} + 60901x^{24} - 145715x^{23} - 213628x^{22} + 184294x^{21} + 440330x^{20} - 85885x^{19} - 579659x^{18} - 120563 \times x^{17} + 484678x^{16} + 254889x^{15} - 236258x^{14} - 213981x^{13} + 46008x^{12} + 95655x^{11} + 11260x^{10} - 21821 \times x^9 - 7299x^8 + 2026x^7 + 1169x^6 - 39x^5 - 46x^4 + 3x^3 - 14x^2 - 8x - 1$$

d = 35; r₁ = 17;

$$\text{Disc} = -591504143116010379580321352300079371323783034754991$$

$$R = 28.22457$$

$$P = x^{35} + 8x^{34} + 3x^{33} - 134x^{32} - 275x^{31} + 916x^{30} + 3081x^{29} - 2940x^{28} - 17905x^{27} + 1454x^{26} + 65621 \times x^{25} + 25512x^{24} - 163236x^{23} - 114131x^{22} + 284353x^{21} + 266784x^{20} - 349711x^{19} - 402567x^{18} + 300539 \times x^{17} + 412947x^{16} - 174635x^{15} - 289813x^{14} + 63287x^{13} + 136464x^{12} - 10503x^{11} - 41159x^{10} - 1928x^9 + 7245 \times x^8 + 1822x^7 - 592x^6 - 618x^5 + 2x^4 + 112x^3 + 4x^2 - 8x - 1$$

d = 35; r₁ = 19;

$$\text{Disc} = 3175754708307376702083254109758471167640059214416601$$

$$R = 29.61293$$

$$P = T_{35} + 2T_{34} + 2T_{33} + T_{32} + 2T_{29} + 4T_{28} + 4T_{27} + 3T_{26} + 2T_{25} + 3T_{24} + 4T_{23} + 4T_{22} + 3T_{21} + 3T_{20} + 4T_{19} + 6 \times T_{18} + 7T_{17} + 4T_{16} - T_{15} - 4T_{14} - T_{13} + 4T_{12} + 7T_{11} + 5T_{10} + T_9 - T_8 + T_6 - 2T_5 - 5T_4 - 4T_3 + 2T_2 + 6T_1 + 5$$

d = 35; r₁ = 21;

$$\text{Disc} = -17738983626392334663496871942633819799886322665149959$$

$$R = 31.10474$$

$$P = T_{35} + T_{33} + T_{31} + T_{29} + 2T_{27} + 3T_{25} + 3T_{23} + 2T_{21} + 3T_{19} + 4T_{17} + 4T_{15} - T_{14} + 3T_{13} + 2T_{11} + 3 \times T_9 - T_8 + 3T_7 - T_6 + 2T_5 + T_3$$

d = 35; r₁ = 23;

$$\text{Disc} = 1734804274281899777579207673026184995836319294385723457$$

$$R = 35.45626$$

$$P = T_{35} + T_{34} + 2T_{33} + 2T_{32} + 2T_{31} + T_{30} + T_{29} + T_{25} + 2T_{24} + 3T_{23} + 3T_{22} + 3T_{21} + 2T_{20} + T_{19} + T_{15} + 2 \times T_{14} + 3T_{13} + 3T_{12} + 3T_{11} + 2T_{10} + T_9 - T_6 + T_4 + 2T_3 + 2T_2 + 2T_1 + 1$$

d = 35; r₁ = 25;

$$\text{Disc} = -4297541191791940221654835115770285300726155746419004567$$

$$R = 36.38724$$

$$P = T_{35} + T_{33} + T_{32} + T_{31} + 2T_{29} + 2T_{27} + T_{26} + 2T_{25} + 3T_{23} + 3T_{21} + T_{20} + 3T_{19} + 4T_{17} + 3T_{15} + T_{14} + 4 \times T_{13} + 3T_{11} + 3T_9 + T_8 + 3T_7 + 2T_5 + T_3 + T_1$$

d = 35; r₁ = 27;

$$\text{Disc} = 29642923371371975675155601021048103127429090966667861401$$

$$R = 38.45139$$

$$P = T_{35} + T_{33} + T_{31} + T_{29} + T_{28} + T_{27} + T_{26} + T_{25} + T_{24} + T_{23} + 2T_{22} + T_{21} + 2T_{20} + T_{19} + 2T_{18} + T_{17} + 2 \times T_{16} + T_{15} + 2T_{14} + T_{13} + 2T_{12} + 2T_{10} + 2T_8 + 2T_6 + T_4 + T_2$$

d = 35; r₁ = 29;

$$\text{Disc} = -2677657143881466514031324604512717201969122105881652551679$$

$$R = 43.73136$$

$$P = T_{35} + 2T_{34} + 2T_{33} + 2T_{32} - 2T_{30} - 2T_{29} - T_{28} + T_{27} + T_{26} - 2T_{25} - 7T_{24} - 10T_{23} - 8T_{22} - 2T_{21} + 7 \times T_{20} + 11T_{19} + 7T_{18} - 7T_{16} - 6T_{15} + 4T_{14} + 15T_{13} + 21T_{12} + 15T_{11} - T_{10} - 16T_9 - 21T_8 - 14T_7 + T_6 + 13 \times T_5 + 11T_4 - T_3 - 17T_2 - 26T_1 - 17$$

d = 35; r₁ = 31;

$$\text{Disc} = 1081951282266536909407404131022590790662993695087343658156217$$

$$R = 51.91144$$

$$P = x^{35} - 198x^{33} + 351x^{32} + 5376x^{31} - 9765x^{30} - 51639x^{29} + 89985x^{28} + 257376x^{27} - 425643x^{26} - 780484 \times x^{25} + 1224510x^{24} + 1568969x^{23} - 2341117x^{22} - 2202931x^{21} + 3136280x^{20} + 2233731x^{19} - 3043798 \times x^{18} - 1670519x^{17} + 2184867x^{16} + 932304x^{15} - 1173160x^{14} - 389666x^{13} + 472696x^{12} + 121380x^{11} - 142180 \times x^{10} - 27757x^9 + 31438x^8 + 4523x^7 - 4959x^6 - 497x^5 + 528x^4 + 33x^3 - 34x^2 - x + 1$$

d = 35; r₁ = 33;

$$\text{Disc} = -15365562461430059056462954391454451407436831732065822445805563$$

$$R = 55.99988$$

$$P = T_{35} + T_{34} - T_{33} + T_{32} + 2T_{31} + T_{29} + 2T_{26} - T_{24} + T_{23} + T_{21} + T_{20} - T_{19} + T_{18} + 2T_{17} + T_{15} + 2 \times T_{12} - T_{10} + T_9 + T_7 + T_6 - T_5 + 2T_4 + T_3 + T_1$$

d = 35; r₁ = 35;

$$\text{Disc} = 876564456148583685580741416193317498080031692578600918378223281$$

$$R = 62.85868$$

$$P = T_{35} + T_{34}$$

d = 36; r₁ = 0;

Disc = 511666629777399645826452831715712426544241

R = 14.40731

$P = x^{36} + 12x^{35} + 72x^{34} + 289x^{33} + 875x^{32} + 2121x^{31} + 4202x^{30} + 6683x^{29} + 7814x^{28} + 4268x^{27} - 7568 \times x^{26} - 28268x^{25} - 51620x^{24} - 64182x^{23} - 51164x^{22} - 6971x^{21} + 56811x^{20} + 113810x^{19} + 136679x^{18} + 113810 \times x^{17} + 56811x^{16} - 6971x^{15} - 51164x^{14} - 64182x^{13} - 51620x^{12} - 28268x^{11} - 7568x^{10} + 4268x^9 + 7814 \times x^8 + 6683x^7 + 4202x^6 + 2121x^5 + 875x^4 + 289x^3 + 72x^2 + 12x + 1$

d = 36; r₁ = 2;

Disc = -33356295712113605781493962800946449805927179

R = 16.17995

$P = x^{36} + 3x^{35} + 8x^{34} + 18x^{33} + 35x^{32} + 64x^{31} + 107x^{30} + 169x^{29} + 253x^{28} + 360x^{27} + 490x^{26} + 639x^{25} + 801 \times x^{24} + 967x^{23} + 1127x^{22} + 1267x^{21} + 1377x^{20} + 1448x^{19} + 1471x^{18} + 1448x^{17} + 1377x^{16} + 1267x^{15} + 1127 \times x^{14} + 967x^{13} + 801x^{12} + 639x^{11} + 490x^{10} + 360x^9 + 253x^8 + 169x^7 + 107x^6 + 64x^5 + 35x^4 + 18x^3 + 8x^2 + 3x + 1$

d = 36; r₁ = 4;

Disc = 135915939838145708785247556765141852440219329

R = 16.82380

$P = x^{36} + 15x^{35} + 113x^{34} + 577x^{33} + 2248x^{32} + 7100x^{31} + 18810x^{30} + 42647x^{29} + 83662x^{28} + 142511 \times x^{27} + 209802x^{26} + 262199x^{25} + 264935x^{24} + 183733x^{23} + 3632x^{22} - 254374x^{21} - 530537x^{20} - 743790 \times x^{19} - 824097x^{18} - 743790x^{17} - 530537x^{16} - 254374x^{15} + 3632x^{14} + 183733x^{13} + 264935x^{12} + 262199 \times x^{11} + 209802x^{10} + 142511x^9 + 83662x^8 + 42647x^7 + 18810x^6 + 7100x^5 + 2248x^4 + 577x^3 + 113x^2 + 15x + 1$

d = 36; r₁ = 6;

Disc = -1291621141603376536264303584173346815307953327

R = 17.90965

$P = x^{36} + 11x^{35} + 64x^{34} + 255x^{33} + 757x^{32} + 1707x^{31} + 2798x^{30} + 2566x^{29} - 2158x^{28} - 15574x^{27} - 40042 \times x^{26} - 71566x^{25} - 96695x^{24} - 95099x^{23} - 49562x^{22} + 40764x^{21} + 152968x^{20} + 246682x^{19} + 283229x^{18} + 246682 \times x^{17} + 152968x^{16} + 40764x^{15} - 49562x^{14} - 95099x^{13} - 96695x^{12} - 71566x^{11} - 40042x^{10} - 15574x^9 - 2158 \times x^8 + 2566x^7 + 2798x^6 + 1707x^5 + 757x^4 + 255x^3 + 64x^2 + 11x + 1$

d = 36; r₁ = 8;

Disc = 28549502539576723454920866166037045044218634921

R = 19.51791

$P = x^{36} + 5x^{35} - 5x^{34} - 51x^{33} + 8x^{32} + 251x^{31} - 44x^{30} - 836x^{29} + 360x^{28} + 2069x^{27} - 1666x^{26} - 3912 \times x^{25} + 5036x^{24} + 5493x^{23} - 11018x^{22} - 4952x^{21} + 18241x^{20} + 556x^{19} - 23053x^{18} + 7131x^{17} + 21688x^{16} - 14334 \times x^{15} - 13799x^{14} + 16456x^{13} + 3699x^{12} - 12225x^{11} + 2828x^{10} + 5259x^9 - 3636x^8 - 531x^7 + 1554x^6 - 574 \times x^5 - 124x^4 + 182x^3 - 70x^2 + 13x - 1$

d = 36; r₁ = 10;

Disc = -1307014558704165196094729053941850844502131080711

R = 21.70518

$P = x^{36} + 3x^{35} - 17x^{34} - 57x^{33} + 120x^{32} + 488x^{31} - 412x^{30} - 2474x^{29} + 356x^{28} + 8173x^{27} + 2866 \times x^{26} - 18109x^{25} - 14123x^{24} + 26282x^{23} + 33420x^{22} - 22113x^{21} - 48364x^{20} + 5001x^{19} + 44249x^{18} + 8731 \times x^{17} - 26113x^{16} - 7232x^{15} + 13945x^{14} + 1322x^{13} - 12090x^{12} - 3270x^{11} + 8302x^{10} + 6422x^9 - 1008x^8 - 3590 \times x^7 - 1757x^6 + 110x^5 + 538x^4 + 299x^3 + 87x^2 + 14x + 1$

d = 36; r₁ = 12;

Disc = 3467661830798395984786062540715885436291083254221

R = 22.30151

$P = x^{36} + 9x^{35} + 35x^{34} + 67x^{33} + 26x^{32} - 165x^{31} - 342x^{30} - 100x^{29} + 548x^{28} + 711x^{27} - 245x^{26} - 1182 \times x^{25} - 403x^{24} + 1291x^{23} + 1069x^{22} - 1142x^{21} - 1552x^{20} + 952x^{19} + 1727x^{18} - 952x^{17} - 1552x^{16} + 1142 \times x^{15} + 1069x^{14} - 1291x^{13} - 403x^{12} + 1182x^{11} - 245x^{10} - 711x^9 + 548x^8 + 100x^7 - 342x^6 + 165x^5 + 26 \times x^4 - 67x^3 + 35x^2 - 9x + 1$

d = 36; r₁ = 14;

Disc = -233617528873586509072231556537112413457731581227119

R = 25.06832

$P = x^{36} + 13x^{35} + 54x^{34} + 10x^{33} - 531x^{32} - 1136x^{31} + 1499x^{30} + 7948x^{29} + 3370x^{28} - 24988x^{27} - 36314 \times x^{26} + 30965x^{25} + 112599x^{24} + 39001x^{23} - 163652x^{22} - 199962x^{21} + 52366x^{20} + 282246x^{19} + 181561 \times x^{18} - 115997x^{17} - 257658x^{16} - 126931x^{15} + 86468x^{14} + 160428x^{13} + 71959x^{12} - 38844x^{11} - 64929 \times x^{10} - 26080x^9 + 8979x^8 + 14218x^7 + 5602x^6 - 296x^5 - 1234x^4 - 578x^3 - 139x^2 - 18x - 1$

d = 36; r₁ = 16;

$$\text{Disc} = 448246619815034001720849897843187623096453283840757$$

$$R = 25.52622$$

$$P = x^{36} + 10x^{35} + 31x^{34} - 26x^{33} - 433x^{32} - 1174x^{31} - 756x^{30} + 3679x^{29} + 12266x^{28} + 16708x^{27} + 1910 \times x^{26} - 39034x^{25} - 86328x^{24} - 93948x^{23} - 21252x^{22} + 122529x^{21} + 261724x^{20} + 292633x^{19} + 158414 \times x^{18} - 96950x^{17} - 345053x^{16} - 454104x^{15} - 373904x^{14} - 160655x^{13} + 70995x^{12} + 224029x^{11} + 266005 \times x^{10} + 224285x^9 + 149497x^8 + 81485x^7 + 36639x^6 + 13520x^5 + 4024x^4 + 935x^3 + 160x^2 + 18x + 1$$

$$\mathbf{d} = \mathbf{36}; \mathbf{r}_1 = \mathbf{18};$$

$$\text{Disc} = -3244453660165867858718245473181627876743410898123091$$

$$R = 26.96901$$

$$P = x^{36} + 11x^{35} + 33x^{34} - 48x^{33} - 437x^{32} - 469x^{31} + 1777x^{30} + 4465x^{29} - 2265x^{28} - 17782x^{27} - 7738 \times x^{26} + 43626x^{25} + 48910x^{24} - 66055x^{23} - 137181x^{22} + 36347x^{21} + 236118x^{20} + 83665x^{19} - 243272x^{18} - 229330 \times x^{17} + 104477x^{16} + 257929x^{15} + 70159x^{14} - 136265x^{13} - 124085x^{12} + 1768x^{11} + 62254x^{10} + 35409x^9 - 3625 \times x^8 - 13691x^7 - 6377x^6 - 160x^5 + 1112x^4 + 561x^3 + 138x^2 + 18x + 1$$

$$\mathbf{d} = \mathbf{36}; \mathbf{r}_1 = \mathbf{20};$$

$$\text{Disc} = 214109424240297970274079189950985069037948785403395109$$

$$R = 30.29748$$

$$P = x^{36} + x^{35} - 26x^{34} - 29x^{33} + 271x^{32} + 317x^{31} - 1518x^{30} - 1815x^{29} + 5006x^{28} + 6034x^{27} - 9537 \times x^{26} - 11578x^{25} + 7627x^{24} + 10269x^{23} + 9032x^{22} + 4565x^{21} - 34351x^{20} - 22029x^{19} + 46991x^{18} + 22029 \times x^{17} - 34351x^{16} - 4565x^{15} + 9032x^{14} - 10269x^{13} + 7627x^{12} + 11578x^{11} - 9537x^{10} - 6034x^9 + 5006x^8 + 1815 \times x^7 - 1518x^6 - 317x^5 + 271x^4 + 29x^3 - 26x^2 - x + 1$$

$$\mathbf{d} = \mathbf{36}; \mathbf{r}_1 = \mathbf{22};$$

$$\text{Disc} = -788065459883737794970877067242174199853099140951209467$$

$$R = 31.41425$$

$$P = T_{36} + 2T_{34} + 3T_{32} + 3T_{30} + 4T_{28} + 5T_{26} + 6T_{24} + 7T_{22} + 8T_{20} + 8T_{18} + 8T_{16} + 8T_{14} + 8T_{12} + 8T_{10} + 7 \times T_8 + 6T_6 + 4T_4 + 2T_2 + T_1 + 1$$

$$\mathbf{d} = \mathbf{36}; \mathbf{r}_1 = \mathbf{24};$$

$$\text{Disc} = 49229584671585453804101487235761227970881195751907230821$$

$$R = 35.23760$$

$$P = x^{36} + 9x^{35} + 22x^{34} - 37x^{33} - 261x^{32} - 250x^{31} + 871x^{30} + 2076x^{29} - 566x^{28} - 6095x^{27} - 3392 \times x^{26} + 9541x^{25} + 10810x^{24} - 8557x^{23} - 16966x^{22} + 3842x^{21} + 18876x^{20} + 130x^{19} - 18791x^{18} - 130x^{17} + 18876 \times x^{16} - 3842x^{15} - 16966x^{14} + 8557x^{13} + 10810x^{12} - 9541x^{11} - 3392x^{10} + 6095x^9 - 566x^8 - 2076x^7 + 871 \times x^6 + 250x^5 - 261x^4 + 37x^3 + 22x^2 - 9x + 1$$

$$\mathbf{d} = \mathbf{36}; \mathbf{r}_1 = \mathbf{26};$$

$$\text{Disc} = -50634138007714121403440990624561795626256227736945197571$$

$$R = 35.26514$$

$$P = T_{36} + T_{35} + T_{34} + T_{33} + T_{32} + T_{29} + 2T_{28} + 2T_{27} + 2T_{26} + 2T_{22} + 2T_{21} + 3T_{20} + 2T_{19} + T_{18} + T_{16} + 2 \times T_{15} + 4T_{14} + 3T_{13} + 2T_{12} + T_{10} + T_9 + 2T_8 + T_7 + T_6 + T_5 + T_4$$

$$\mathbf{d} = \mathbf{36}; \mathbf{r}_1 = \mathbf{28};$$

$$\text{Disc} = 5531444690339132887005530853410023783609030557122915467264$$

$$R = 40.17610$$

$$P = T_{36} + 3T_{34} + T_{32} - 5T_{30} - 2T_{28} + 8T_{26} + 3T_{24} - 11T_{22} - 2T_{20} + 15T_{18} + 4T_{16} - 12T_{14} + T_{12} + 13 \times T_{10} + T_8 - 5T_6 + 4T_4 + 4T_2$$

$$\mathbf{d} = \mathbf{36}; \mathbf{r}_1 = \mathbf{30};$$

$$\text{Disc} = -52257687649881741510335958575651036253832284215632908018071$$

$$R = 42.76217$$

$$P = x^{36} + 4x^{35} - 18x^{34} - 10x^{33} + 441x^{32} - 480x^{31} - 5950x^{30} + 6715x^{29} + 41745x^{28} - 52473x^{27} - 164427 \times x^{26} + 264616x^{25} + 351466x^{24} - 843842x^{23} - 255711x^{22} + 1666322x^{21} - 596624x^{20} - 1915018x^{19} + 1857672 \times x^{18} + 937177x^{17} - 2266529x^{16} + 484567x^{15} + 1367172x^{14} - 1003228x^{13} - 244781x^{12} + 582686x^{11} - 168839 \times x^{10} - 121636x^9 + 99131x^8 - 12158x^7 - 13962x^6 + 7048x^5 - 908x^4 - 272x^3 + 121x^2 - 18x + 1$$

$$\mathbf{d} = \mathbf{36}; \mathbf{r}_1 = \mathbf{32};$$

$$\text{Disc} = 2348610785694242914761817490502158612886316795014266176405504$$

$$R = 47.52991$$

$$P = T_{36} + T_{34} + T_{32} - 2T_{26} - 3T_{24} - 5T_{22} - 7T_{20} - 9T_{18} - 11T_{16} - 12T_{14} - 13T_{12} - 13T_{10} - 13T_8 - 11 \times T_6 - 8T_4 - 5T_2 - 2$$

$$\mathbf{d} = \mathbf{36}; \mathbf{r}_1 = \mathbf{34};$$

$$\text{Disc} = -2199679976759389757418056176137631403671444785613326851617325056$$

$$R = 57.47910$$

$$P = x^{36} - 35x^{34} + 532x^{32} - 4655x^{30} + 26162x^{28} - 99432x^{26} + 260201x^{24} - 461111x^{22} + 504930x^{20} - 197499 \times \\ x^{18} - 342826x^{16} + 702369x^{14} - 640613x^{12} + 344636x^{10} - 110868x^8 + 19873x^6 - 1732x^4 + 69x^2 - 1$$

$$\mathbf{d} = \mathbf{36}; \mathbf{r}_1 = \mathbf{36};$$

$$\text{Disc} = 65028396011052373244549315269863064140390224754810333251953125$$

$$R = 52.12315$$

$$P = T_{36} - T_{34} - T_{27} + T_{25} + T_9 - T_7 - 1$$

d = 37; r₁ = 1;

Disc = 27217447664303262385208635183731706614260094013

R = 17.98854

$P = x^{37} + 3x^{36} + 8x^{35} + 17x^{34} + 33x^{33} + 58x^{32} + 95x^{31} + 147x^{30} + 215x^{29} + 302x^{28} + 405x^{27} + 523 \times x^{26} + 652x^{25} + 786x^{24} + 917x^{23} + 1037x^{22} + 1138x^{21} + 1212x^{20} + 1255x^{19} + 1262x^{18} + 1232x^{17} + 1170 \times x^{16} + 1078x^{15} + 964x^{14} + 836x^{13} + 702x^{12} + 570x^{11} + 447x^{10} + 337x^9 + 244x^8 + 169x^7 + 111x^6 + 69 \times x^5 + 40x^4 + 21x^3 + 10x^2 + 4x + 1$

d = 37; r₁ = 3;

Disc = -500580320848855382780608696518705306489611484323

R = 19.46144

$P = x^{37} + 4x^{36} + 10x^{35} + 21x^{34} + 39x^{33} + 66x^{32} + 104x^{31} + 155x^{30} + 220x^{29} + 300x^{28} + 394x^{27} + 499x^{26} + 611 \times x^{25} + 726x^{24} + 836x^{23} + 936x^{22} + 1018x^{21} + 1078x^{20} + 1111x^{19} + 1115x^{18} + 1088x^{17} + 1033x^{16} + 954x^{15} + 856 \times x^{14} + 746x^{13} + 630x^{12} + 515x^{11} + 407x^{10} + 310x^9 + 226x^8 + 158x^7 + 105x^6 + 66x^5 + 39x^4 + 21x^3 + 10x^2 + 4x + 1$

d = 37; r₁ = 5;

Disc = 21014148952115842394993594904183793205832638448709

R = 21.52984

$P = x^{37} + 12x^{35} + 6x^{34} + 2x^{33} + 37x^{32} - 296x^{31} - 154x^{30} - 40x^{29} - 577x^{28} + 4057x^{27} + 3292x^{26} - 6050 \times x^{25} - 2207x^{24} - 22018x^{23} - 19053x^{22} + 103530x^{21} + 68375x^{20} - 204932x^{19} - 121884x^{18} + 251790x^{17} + 140773 \times x^{16} - 212408x^{15} - 114043x^{14} + 127970x^{13} + 66857x^{12} - 55774x^{11} - 28608x^{10} + 17493x^9 + 8865x^8 - 3855 \times x^7 - 1939x^6 + 567x^5 + 284x^4 - 50x^3 - 25x^2 + 2x + 1$

d = 37; r₁ = 7;

Disc = -215074103659691256379896685568126169509171193370771

R = 22.92663

$P = x^{37} + 4x^{36} - 10x^{35} - 32x^{34} + 72x^{33} + 95x^{32} - 189x^{31} - 312x^{30} + 194x^{29} + 2055x^{28} - 4361x^{27} + 3374 \times x^{26} + 3520x^{25} - 13471x^{24} + 1976x^{23} + 56311x^{22} - 130697x^{21} + 153133x^{20} - 98940x^{19} + 9513x^{18} + 31077 \times x^{17} + 39099x^{16} - 150815x^{15} + 153163x^{14} - 35159x^{13} - 53484x^{12} + 34239x^{11} + 17260x^{10} - 25215x^9 + 3794 \times x^8 + 8359x^7 - 5828x^6 + 962x^5 + 646x^4 - 438x^3 + 121x^2 - 17x + 1$

d = 37; r₁ = 9;

Disc = 464873416635550916114997860849321501819373322379969

R = 23.40925

$P = x^{37} + 6x^{36} - 3x^{35} - 42x^{34} + 43x^{33} + 175x^{32} - 87x^{31} - 1265x^{30} + 1793x^{29} + 4185x^{28} - 13737x^{27} + 5425 \times x^{26} + 32780x^{25} - 57779x^{24} + 1616x^{23} + 110443x^{22} - 131120x^{21} - 25074x^{20} + 207606x^{19} - 177900x^{18} - 60949 \times x^{17} + 234681x^{16} - 150073x^{15} - 65534x^{14} + 161430x^{13} - 79772x^{12} - 35737x^{11} + 65383x^{10} - 26843x^9 - 8707 \times x^8 + 14173x^7 - 5599x^6 - 296x^5 + 1234x^4 - 578x^3 + 139x^2 - 18x + 1$

d = 37; r₁ = 11;

Disc = -12230452295780640090912350848346206937115266529809087

R = 25.57224

$P = T_{37} + 4T_{35} + 10T_{33} + 20T_{31} + 35T_{29} + 55T_{27} + 78T_{25} + 102T_{23} + 125T_{21} + 144T_{19} + 158T_{17} + T_{16} + 167 \times T_{15} + T_{14} + 171T_{13} + T_{12} + 170T_{11} + T_{10} + 163T_9 + T_8 + 148T_7 + T_6 + 124T_5 + T_4 + 90T_3 + T_2 + 47T_1 + 1$

d = 37; r₁ = 13;

Disc = 175593316032683355119605391052687065310159985573087081

R = 27.48152

$P = T_{37} + 3T_{35} + 6T_{33} - T_{32} + 11T_{31} - 2T_{30} + 18T_{29} - 3T_{28} + 28T_{27} - 5T_{26} + 40T_{25} - 7T_{24} + 53T_{23} - 10 \times T_{22} + 68T_{21} - 13T_{20} + 83T_{19} - 15T_{18} + 97T_{17} - 18T_{16} + 108T_{15} - 20T_{14} + 114T_{13} - 21T_{12} + 116T_{11} - 21 \times T_{10} + 111T_9 - 19T_8 + 99T_7 - 17T_6 + 81T_5 - 13T_4 + 57T_3 - 8T_2 + 30T_1 - 2$

d = 37; r₁ = 15;

Disc = -2443571550958532159719026142026977292155691375277679759

R = 29.50847

$P = T_{37} + 6T_{35} + 20T_{33} + T_{32} + 50T_{31} + 4T_{30} + 105T_{29} + 9T_{28} + 194T_{27} + 16T_{26} + 324T_{25} + 26T_{24} + 498 \times T_{23} + 39T_{22} + 713T_{21} + 55T_{20} + 958T_{19} + 72T_{18} + 1213T_{17} + 88T_{16} + 1450T_{15} + 101T_{14} + 1637T_{13} + 110 \times T_{12} + 1742T_{11} + 113T_{10} + 1738T_9 + 109T_8 + 1608T_7 + 96T_6 + 1349T_5 + 75T_4 + 973T_3 + 47T_2 + 509T_1 + 16$

d = 37; r₁ = 17;

Disc = 1764296986912295566536066402938996017543086171876430277

R = 29.24984

$$P = T_{37} + 2T_{36} + 4T_{35} + 7T_{34} + 10T_{33} + 15T_{32} + 19T_{31} + 24T_{30} + 29T_{29} + 33T_{28} + 38T_{27} + 41T_{26} + 45 \times T_{25} + 49T_{24} + 53T_{23} + 57T_{22} + 61T_{21} + 65T_{20} + 68T_{19} + 71T_{18} + 71T_{17} + 72T_{16} + 71T_{15} + 68T_{14} + 66 \times T_{13} + 61T_{12} + 58T_{11} + 54T_{10} + 49T_9 + 46T_8 + 42T_7 + 38T_6 + 34T_5 + 29T_4 + 24T_3 + 19T_2 + 12T_1 + 6$$

d = 37; r₁ = 19;

$$\text{Disc} = -44331042012308467795930178726620872028280863896861747203$$

$$R = 31.91281$$

$$P = x^{37} - 48x^{35} + 25x^{34} + 810x^{33} - 370x^{32} - 7444x^{31} + 2555x^{30} + 42777x^{29} - 12149x^{28} - 167049 \times x^{27} + 45461x^{26} + 463426x^{25} - 133030x^{24} - 934867x^{23} + 293434x^{22} + 1391845x^{21} - 478147x^{20} - 1545528 \times x^{19} + 573949x^{18} + 1288922x^{17} - 509914x^{16} - 809761x^{15} + 336971x^{14} + 382564x^{13} - 165818x^{12} - 134826 \times x^{11} + 60426x^{10} + 34850x^9 - 16064x^8 - 6406x^7 + 3025x^6 + 792x^5 - 382x^4 - 59x^3 + 29x^2 + 2x - 1$$

d = 37; r₁ = 21;

$$\text{Disc} = 67923102551080268071891201397962334035008086020126331517$$

$$R = 32.28297$$

$$P = T_{37} + T_{36} + 2T_{35} + 2T_{34} + 2T_{33} + 2T_{32} + 2T_{31} + 2T_{30} + 3T_{29} + 3T_{28} + 3T_{27} + 4T_{26} + 2T_{25} + 4T_{24} + 2 \times T_{23} + 3T_{22} + 3T_{21} + 3T_{20} + 3T_{19} + 4T_{18} + 2T_{17} + 4T_{16} + 2T_{15} + T_{14} + 3T_{13} + T_{12} + 3T_{11} + 4T_{10} + 2T_9 + 4 \times T_8 + 2T_7 + T_6 + 3T_5 + T_4 + 2T_3 + 3T_2 + 2$$

d = 37; r₁ = 23;

$$\text{Disc} = -4622118261814884409936839645086967929451760712645919697459$$

$$R = 36.18339$$

$$P = T_{37} + 2T_{35} + 3T_{33} + 4T_{31} + T_{30} + 5T_{29} + T_{28} + 6T_{27} + T_{26} + 7T_{25} + T_{24} + 8T_{23} + T_{22} + 9T_{21} + T_{20} + 10 \times T_{19} + T_{18} + 11T_{17} + T_{16} + 11T_{15} + T_{14} + 10T_{13} + T_{12} + 9T_{11} + T_{10} + 8T_9 + 7T_7 + 6T_5 + 5T_3 + 2T_1$$

d = 37; r₁ = 25;

$$\text{Disc} = 177925002759136881080336888633328187387970201996704733098589$$

$$R = 39.93537$$

$$P = T_{37} + 2T_{36} + 2T_{35} + 2T_{34} + 2T_{33} + 2T_{32} + 2T_{31} + 3T_{30} + 2T_{29} - 3T_{28} - 10T_{27} - 17T_{26} - 24T_{25} - 33 \times T_{24} - 43T_{23} - 59T_{22} - 80T_{21} - 101T_{20} - 118T_{19} - 131T_{18} - 146T_{17} - 160T_{16} - 177T_{15} - 192T_{14} - 197 \times T_{13} - 192T_{12} - 181T_{11} - 172T_{10} - 162T_9 - 154T_8 - 141T_7 - 118T_6 - 91T_5 - 68T_4 - 54T_3 - 43T_2 - 35T_1 - 21$$

d = 37; r₁ = 27;

$$\text{Disc} = -248375917607672752832611235921111337814117370800397317865539$$

$$R = 40.29705$$

$$P = T_{37} + T_{35} + T_{33} + T_{31} + T_{29} + T_{27} + T_{26} + T_{25} + T_{24} + T_{23} + T_{22} + T_{21} + T_{20} + T_{19} + T_{18} + T_{17} + T_{16} + T_{15} + T_{14} + T_{13} + T_{12} + T_{11} + T_9 + T_7 + T_6 + T_5$$

d = 37; r₁ = 29;

$$\text{Disc} = 9839392051855707759672304074768552311689636696708478940269449$$

$$R = 44.51010$$

$$P = T_{37} + 3T_{36} + 4T_{35} + 2T_{34} - 2T_{33} - 4T_{32} - T_{31} + 5T_{30} + 6T_{29} - 2T_{28} - 12T_{27} - 14T_{26} - 3T_{25} + 11 \times T_{24} + 14T_{23} + T_{22} - 14T_{21} - 13T_{20} + 5T_{19} + 23T_{18} + 20T_{17} - 3T_{16} - 23T_{15} - 19T_{14} + 5T_{13} + 21T_{12} + 10 \times T_{11} - 19T_{10} - 33T_9 - 15T_8 + 19T_7 + 33T_6 + 12T_5 - 20T_4 - 27T_3 + T_2 + 33T_1 + 34$$

d = 37; r₁ = 31;

$$\text{Disc} = -101291806886142315676817644477349312751647072753122412880625463$$

$$R = 47.40524$$

$$P = T_{37} + T_{36} - T_{35} - 2T_{34} - T_{33} + T_{31} + 2T_{30} + 2T_{29} + T_{28} - T_{27} - 3T_{26} - 4T_{25} - 2T_{24} + 2T_{23} + 4T_{22} + 4 \times T_{21} + 2T_{20} - T_{19} - 4T_{18} - 5T_{17} - 3T_{16} + T_{15} + 5T_{14} + 6T_{13} + 3T_{12} - 2T_{11} - 5T_{10} - 6T_9 - 4T_8 + T_7 + 6 \times T_6 + 8T_5 + 5T_4 - T_3 - 7T_2 - 8T_1 - 5$$

d = 37; r₁ = 33;

$$\text{Disc} = 40087925889801064078936790604805019164220990642364664100441962373$$

$$R = 55.72209$$

$$P = T_{37} + 2T_{36} + T_{35} + T_{34} + 2T_{33} - 2T_{31} - T_{30} + T_{27} + 2T_{26} + T_{25} - T_{22} - T_{21} + T_{20} + T_{19} + T_{17} - 3 \times T_{15} - 2T_{14} - T_{12} + 3T_{10} + 2T_9 - T_8 - T_7 - T_6 - 3T_5 - 2T_4 + T_3 + T_2 + T_1 + 2$$

d = 37; r₁ = 35;

$$\text{Disc} = -449576040707129994527077944968268200912751853340569989302784945647$$

$$R = 59.48399$$

$$P = T_{37} + 2T_{34} + T_{31} + T_{30} + 2T_{27} - T_{25} + T_{24} - T_{22} - T_{18} - T_{15} - T_{13} - T_{11} - T_{10} - T_8 - T_7 - T_6 - T_4 - T_3 - 1$$

d = 37; r₁ = 37;

$$\text{Disc} = 712175412183557282848014104225684622738741395672562042136495760902429$$

$$R = 72.59066$$

$$P = T_{37} + T_{36} - T_{35} - T_{34} - T_{33} - T_{32} + T_{29} - 2T_{27} + T_{23} + T_{21} + 2T_{18} - T_{17} - T_{16} - T_{14} + T_{13} - 3 \times \\ T_9 + T_7 - T_6 + T_5 - T_1 + 2$$

d = 38; r₁ = 0;

$$\text{Disc} = -5986564482374257660035352237494490732687286327$$

$$R = 16.02000$$

$$P = x^{38} + x^{36} - x^{33} - 2x^{31} + x^{30} - x^{29} + x^{28} - x^{27} + 2x^{26} - 3x^{25} + x^{24} - 2x^{23} + x^{22} - x^{21} + 4x^{20} - x^{19} + 4 \times x^{18} - x^{17} + x^{16} - 2x^{15} + x^{14} - 3x^{13} + 2x^{12} - x^{11} + x^{10} - x^9 + x^8 - 2x^7 - x^5 + x^2 + 1$$

d = 38; r₁ = 2;

$$\text{Disc} = 16347138637735306844675853126620845626354100249$$

$$R = 16.44914$$

$$P = x^{38} + 19x^{37} + 185x^{36} + 1221x^{35} + 6115x^{34} + 24701x^{33} + 83612x^{32} + 243468x^{31} + 621660x^{30} + 1412460 \times x^{29} + 2889217x^{28} + 5371682x^{27} + 9150062x^{26} + 14375843x^{25} + 20950084x^{24} + 28451498x^{23} + 36141605 \times x^{22} + 43063186x^{21} + 48218982x^{20} + 50789763x^{19} + 50332970x^{18} + 46901396x^{17} + 41039923x^{16} + 33655106 \times x^{15} + 25796024x^{14} + 18416527x^{13} + 12192874x^{12} + 7444418x^{11} + 4162161x^{10} + 2111940x^9 + 961544 \times x^8 + 387128x^7 + 135266x^6 + 40026x^5 + 9708x^4 + 1844x^3 + 256x^2 + 23x + 1$$

d = 38; r₁ = 4;

$$\text{Disc} = -795943963103225582145069102311777879697549808199$$

$$R = 18.22005$$

$$P = x^{38} + x^{37} + 2x^{36} + 3x^{35} + 4x^{34} + 7x^{33} + 8x^{32} + 12x^{31} + 14x^{30} + 18x^{29} + 22x^{28} + 26x^{27} + 30x^{26} + 34 \times x^{25} + 37x^{24} + 41x^{23} + 44x^{22} + 45x^{21} + 48x^{20} + 45x^{19} + 48x^{18} + 45x^{17} + 44x^{16} + 41x^{15} + 37x^{14} + 34 \times x^{13} + 30x^{12} + 26x^{11} + 22x^{10} + 18x^9 + 14x^8 + 12x^7 + 8x^6 + 7x^5 + 4x^4 + 3x^3 + 2x^2 + x + 1$$

d = 38; r₁ = 6;

$$\text{Disc} = 2952856673706993128185517409568351607096276486593$$

$$R = 18.85961$$

$$P = x^{38} + 7x^{37} + 18x^{36} + 17x^{35} - 11x^{34} - 55x^{33} - 81x^{32} + 8x^{31} + 183x^{30} + 41x^{29} - 321x^{28} + 4x^{27} + 556 \times x^{26} + 67x^{25} - 498x^{24} - 381x^{23} - 238x^{22} + 702x^{21} + 1097x^{20} - 819x^{19} - 1097x^{18} + 702x^{17} + 238x^{16} - 381 \times x^{15} + 498x^{14} + 67x^{13} - 556x^{12} + 4x^{11} + 321x^{10} + 41x^9 - 183x^8 + 8x^7 + 81x^6 - 55x^5 + 11x^4 + 17x^3 - 18x^2 + 7x - 1$$

d = 38; r₁ = 8;

$$\text{Disc} = -229828468200565871311859777884739865426629674365943$$

$$R = 21.14950$$

$$P = x^{38} + 21x^{37} + 223x^{36} + 1548x^{35} + 7771x^{34} + 29940x^{33} + 92350x^{32} + 235479x^{31} + 508451x^{30} + 944815 \times x^{29} + 1521647x^{28} + 2113878x^{27} + 2472610x^{26} + 2265617x^{25} + 1198449x^{24} - 816892x^{23} - 3528844x^{22} - 6340513x^{21} - 8476054x^{20} - 9274577x^{19} - 8476054x^{18} - 6340513x^{17} - 3528844x^{16} - 816892x^{15} + 1198449 \times x^{14} + 2265617x^{13} + 2472610x^{12} + 2113878x^{11} + 1521647x^{10} + 944815x^9 + 508451x^8 + 235479x^7 + 92350 \times x^6 + 29940x^5 + 7771x^4 + 1548x^3 + 223x^2 + 21x + 1$$

d = 38; r₁ = 10;

$$\text{Disc} = 550586284778737462472225721860574931443646880358373$$

$$R = 21.64138$$

$$P = x^{38} + 12x^{37} + 73x^{36} + 308x^{35} + 1022x^{34} + 2844x^{33} + 6900x^{32} + 14960x^{31} + 29473x^{30} + 53405 \times x^{29} + 89798x^{28} + 141071x^{27} + 208145x^{26} + 289610x^{25} + 381219x^{24} + 475898x^{23} + 564491x^{22} + 637096 \times x^{21} + 684811x^{20} + 701459x^{19} + 684811x^{18} + 637096x^{17} + 564491x^{16} + 475898x^{15} + 381219x^{14} + 289610 \times x^{13} + 208145x^{12} + 141071x^{11} + 89798x^{10} + 53405x^9 + 29473x^8 + 14960x^7 + 6900x^6 + 2844x^5 + 1022 \times x^4 + 308x^3 + 73x^2 + 12x + 1$$

d = 38; r₁ = 12;

$$\text{Disc} = -59937418866415844710850234658419367841835319822049679$$

$$R = 24.48425$$

$$P = x^{38} + 19x^{37} + 159x^{36} + 753x^{35} + 2046x^{34} + 1938x^{33} - 8556x^{32} - 44892x^{31} - 106937x^{30} - 130687 \times x^{29} + 38325x^{28} + 553921x^{27} + 1331384x^{26} + 1846820x^{25} + 1307086x^{24} - 703123x^{23} - 3551155x^{22} - 5622131 \times x^{21} - 5371198x^{20} - 2604238x^{19} + 1199082x^{18} + 3922757x^{17} + 4336379x^{16} + 2798035x^{15} + 680199x^{14} - 778647x^{13} - 1181762x^{12} - 868560x^{11} - 379464x^{10} - 46029x^9 + 77859x^8 + 78336x^7 + 44394x^6 + 17954 \times x^5 + 5429x^4 + 1220x^3 + 195x^2 + 20x + 1$$

d = 38; r₁ = 14;

$$\text{Disc} = 305722999544365499271378526395438317763720514315445849$$

$$R = 25.55693$$

$$P = x^{38} + 17x^{37} + 108x^{36} + 266x^{35} - 208x^{34} - 2528x^{33} - 3899x^{32} + 5177x^{31} + 22141x^{30} + 11393x^{29} - 45804 \times x^{28} - 70663x^{27} + 24014x^{26} + 131049x^{25} + 59366x^{24} - 100615x^{23} - 88144x^{22} + 22649x^{21} - 27496x^{20} - 88038 \times x^{19} + 112789x^{18} + 281356x^{17} + 28917x^{16} - 315013x^{15} - 228364x^{14} + 116375x^{13} + 222674x^{12} + 55677 \times x^{11} - 80208x^{10} - 64697x^9 - 3751x^8 + 17612x^7 + 9282x^6 + 646x^5 - 1264x^4 - 645x^3 - 153x^2 - 19x - 1$$

d = 38; r₁ = 16 ;

$$\text{Disc} = -1745768104157464067694171619987181542251034279032117591$$

$$R = 26.75597$$

$$P = x^{38} + 15x^{37} + 81x^{36} + 139x^{35} - 351x^{34} - 1781x^{33} - 1488x^{32} + 5047x^{31} + 12464x^{30} + 3123x^{29} - 26690 \times x^{28} - 45231x^{27} - 4675x^{26} + 95158x^{25} + 131633x^{24} - 44715x^{23} - 288027x^{22} - 176445x^{21} + 294010x^{20} + 443812 \times x^{19} - 66444x^{18} - 517103x^{17} - 228172x^{16} + 321087x^{15} + 339771x^{14} - 48216x^{13} - 227205x^{12} - 82789 \times x^{11} + 66282x^{10} + 64041x^9 + 6303x^8 - 16212x^7 - 8914x^6 - 595x^5 + 1267x^4 + 645x^3 + 153x^2 + 19x + 1$$

d = 38; r₁ = 18 ;

$$\text{Disc} = 31826224121304002434372484683620542249522668681622492849$$

$$R = 28.88016$$

$$P = x^{38} + 12x^{37} + 44x^{36} - 17x^{35} - 478x^{34} - 762x^{33} + 1702x^{32} + 5858x^{31} - 349x^{30} - 19747x^{29} - 15653 \times x^{28} + 34454x^{27} + 53482x^{26} - 24252x^{25} - 82329x^{24} - 13974x^{23} + 43385x^{22} + 10777x^{21} + 53364x^{20} + 114381 \times x^{19} - 69376x^{18} - 280741x^{17} - 83898x^{16} + 277006x^{15} + 242893x^{14} - 87632x^{13} - 214043x^{12} - 61800x^{11} + 74677 \times x^{10} + 63590x^9 + 4322x^8 - 17188x^7 - 9162x^6 - 629x^5 + 1265x^4 + 645x^3 + 153x^2 + 19x + 1$$

d = 38; r₁ = 20 ;

$$\text{Disc} = -1492749683905988485428804810812676888202335132541398958991$$

$$R = 31.95793$$

$$P = x^{38} + 14x^{37} + 63x^{36} + 18x^{35} - 701x^{34} - 1834x^{33} + 1245x^{32} + 12374x^{31} + 11904x^{30} - 34823x^{29} - 80377 \times x^{28} + 26724x^{27} + 242249x^{26} + 133547x^{25} - 424174x^{24} - 555066x^{23} + 378626x^{22} + 1102144x^{21} + 110086 \times x^{20} - 1322843x^{19} - 826452x^{18} + 894422x^{17} + 1169163x^{16} - 140678x^{15} - 867224x^{14} - 303629x^{13} + 324892 \times x^{12} + 277890x^{11} - 13973x^{10} - 101468x^9 - 36508x^8 + 11148x^7 + 12057x^6 + 2652x^5 - 726x^4 - 573x^3 - 149 \times x^2 - 19x - 1$$

d = 38; r₁ = 22 ;

$$\text{Disc} = 12006316361804829525322391845086851900386894960589589644549$$

$$R = 33.76024$$

$$P = x^{38} + 7x^{37} - 24x^{36} - 236x^{35} + 65x^{34} + 2593x^{33} + 1228x^{32} - 12543x^{31} - 12904x^{30} + 20970x^{29} + 80766 \times x^{28} + 41689x^{27} - 371082x^{26} - 215004x^{25} + 1157070x^{24} + 165191x^{23} - 2313099x^{22} + 700936x^{21} + 2802010 \times x^{20} - 2096076x^{19} - 1707097x^{18} + 2568747x^{17} - 85829x^{16} - 1513811x^{15} + 849668x^{14} + 213370x^{13} - 454978 \times x^{12} + 201409x^{11} + 13783x^{10} - 69263x^9 + 45397x^8 - 13428x^7 - 2293x^6 + 4624x^5 - 2519x^4 + 807x^3 - 162 \times x^2 + 19x - 1$$

d = 38; r₁ = 24 ;

$$\text{Disc} = -232858312852879665447246297980800277403763632873202300520883$$

$$R = 36.49992$$

$$P = T_{38} - T_{36} - 2T_{35} + T_{34} + 3T_{33} + 2T_{32} - 3T_{31} - 5T_{30} + T_{29} + 6T_{28} + 4T_{27} - 6T_{26} - 7T_{25} + T_{24} + 11 \times T_{23} + 5T_{22} - 9T_{21} - 13T_{20} + 3T_{19} + 17T_{18} + 8T_{17} - 13T_{16} - 18T_{15} + 2T_{14} + 21T_{13} + 13T_{12} - 16T_{11} - 22 \times T_{10} + 2T_9 + 25T_8 + 13T_7 - 16T_6 - 26T_5 + T_4 + 29T_3 + 16T_2 - 19T_1 - 27$$

d = 38; r₁ = 26 ;

$$\text{Disc} = 744705393587043116125001222221614631875167102832642071547917$$

$$R = 37.63384$$

$$P = x^{38} + 24x^{37} + 252x^{36} + 1473x^{35} + 4808x^{34} + 5353x^{33} - 23604x^{32} - 118468x^{31} - 194002x^{30} + 131404 \times x^{29} + 1177236x^{28} + 1916984x^{27} - 399412x^{26} - 6413673x^{25} - 9175354x^{24} + 1401292x^{23} + 20993009 \times x^{22} + 24432493x^{21} - 5387608x^{20} - 42567529x^{19} - 38290666x^{18} + 12794444x^{17} + 53861919x^{16} + 35912484 \times x^{15} - 16998009x^{14} - 41967665x^{13} - 19491202x^{12} + 12558648x^{11} + 18889719x^{10} + 5476422x^9 - 4563548 \times x^8 - 4192540x^7 - 756446x^6 + 551232x^5 + 345579x^4 + 77365x^3 + 7326x^2 + 257x + 1$$

d = 38; r₁ = 28 ;

$$\text{Disc} = -13260772491110728280578441471027529253513208592618513046602711$$

$$R = 40.59651$$

$$P = x^{38} + 9x^{37} + 6x^{36} - 191x^{35} - 662x^{34} + 545x^{33} + 6864x^{32} + 9241x^{31} - 20912x^{30} - 71568x^{29} - 25502 \times x^{28} + 181987x^{27} + 289464x^{26} - 68429x^{25} - 642235x^{24} - 563245x^{23} + 416005x^{22} + 1177847x^{21} + 582904 \times x^{20} - 785824x^{19} - 1253884x^{18} - 319226x^{17} + 768632x^{16} + 811841x^{15} + 77518x^{14} - 427231x^{13} - 322213 \times x^{12} - 969x^{11} + 133801x^{10} + 76695x^9 - 839x^8 - 21348x^7 - 10357x^6 - 799x^5 + 1255x^4 + 645x^3 + 153x^2 + 19x + 1$$

d = 38; r₁ = 30 ;

$$\text{Disc} = 265948626170006023556128822203731549128986272754836318596366336$$

$$R = 43.92966$$

$$P = T_{38} + 3T_{36} - 10T_{34} - 87T_{32} - 340T_{30} - 992T_{28} - 2386T_{26} - 4977T_{24} - 9240T_{22} - 15557T_{20} - 23987 \times T_{18} - 34099T_{16} - 44871T_{14} - 54708T_{12} - 61661T_{10} - 63807T_8 - 59749T_6 - 48986T_4 - 32195T_2 - 11229$$

d = 38; r₁ = 32;

$$\text{Disc} = -4803230514569033885259289491141164212612914642789879500675769723$$

$$R = 47.40562$$

$$P = T_{38} + T_{37} + 2T_{36} + 3T_{35} + 3T_{34} + 6T_{33} + 5T_{32} + 8T_{31} + 10T_{30} + 10T_{29} + 17T_{28} + 16T_{27} + 21T_{26} + 27 \times \\ T_{25} + 28T_{24} + 32T_{23} + 38T_{22} + 41T_{21} + 39T_{20} + 53T_{19} + 47T_{18} + 48T_{17} + 65T_{16} + 49T_{15} + 58T_{14} + 67 \times \\ T_{13} + 53T_{12} + 57T_{11} + 65T_{10} + 50T_9 + 46T_8 + 63T_7 + 33T_6 + 37T_5 + 50T_4 + 13T_3 + 25T_2 + 25T_1 - 3$$

d = 38; r₁ = 34;

$$\text{Disc} = 82539751218989785642320437591133844958994526653515462903685135177$$

$$R = 51.08969$$

$$P = T_{38} - T_{34} - T_{33} + 3T_{32} - T_{31} + T_{29} - 3T_{28} - 2T_{27} + 4T_{26} - 2T_{25} + T_{24} + 2T_{23} - 4T_{22} - 2T_{21} + 4T_{20} - 2 \times \\ T_{19} + 2T_{18} + 3T_{17} - 3T_{16} - 2T_{15} + 3T_{14} - 2T_{13} + 2T_{12} + 3T_{11} - 2T_{10} - 2T_9 + T_8 - 2T_7 + 2T_5 - T_4 - T_3 - T_1$$

d = 38; r₁ = 36;

$$\text{Disc} = -3930777839883747008323746211806847374566343423287909047254315433984$$

$$R = 56.55699$$

$$P = x^{38} - 41x^{36} + 644x^{34} - 5268x^{32} + 25490x^{30} - 75622x^{28} + 126040x^{26} - 39123x^{24} - 362462x^{22} + 1033902 \times \\ x^{20} - 1583747x^{18} + 1614968x^{16} - 1158499x^{14} + 593005x^{12} - 215320x^{10} + 54210x^8 - 9055x^6 + 927x^4 - 50x^2 + 1$$

d = 38; r₁ = 38;

$$\text{Disc} = 161161891435233627341273594684080742357220080354804270937426932793344$$

$$R = 62.36314$$

$$P = T_{38} - 3T_{36} + 3T_{34} - 2T_{32} + 3T_{30} - 3T_{28} + T_{26} - T_{24} + 2T_{22} - T_{20} + T_{18} - 3T_{16} + 2T_{14} + 2T_{10} - 3 \times \\ T_8 + T_6 - 2T_4 + 4T_2 - 3$$

d = 39; r₁ = 1;

Disc = -22714804568836040373158467642752673332897185513003

R = 18.43089

$P = x^{39} + 3x^{38} + 27x^{37} - 98x^{36} + 211x^{35} - 621x^{34} + 2139x^{33} - 6162x^{32} + 15256x^{31} - 35670x^{30} + 81380 \times x^{29} - 179590x^{28} + 378271x^{27} - 753481x^{26} + 1407015x^{25} - 2445652x^{24} + 3944292x^{23} - 5904550x^{22} + 8220745 \times x^{21} - 10664065x^{20} + 12899603x^{19} - 14547108x^{18} + 15277376x^{17} - 14912780x^{16} + 13492236x^{15} - 11271766 \times x^{14} + 8654902x^{13} - 6074986x^{12} + 3874521x^{11} - 2230461x^{10} + 1150447x^9 - 527180x^8 + 212461x^7 - 74358 \times x^6 + 22226x^5 - 5544x^4 + 1115x^3 - 171x^2 + 18x - 1$

d = 39; r₁ = 3;

Disc = 30167891021219811629227143630672171406076936231381

R = 18.56548

$P = x^{39} + 3x^{38} - 11x^{37} - 37x^{36} + 58x^{35} + 213x^{34} - 193x^{33} - 733x^{32} + 475x^{31} + 1648x^{30} - 963x^{29} - 2505 \times x^{28} + 1652x^{27} + 2640x^{26} - 2278x^{25} - 2128x^{24} + 2533x^{23} + 1838x^{22} - 2720x^{21} - 1924x^{20} + 3289x^{19} + 1327 \times x^{18} - 3508x^{17} + 95x^{16} + 2433x^{15} - 790x^{14} - 1047x^{13} + 338x^{12} + 717x^{11} - 174x^{10} - 721x^9 + 548x^8 + 176 \times x^7 - 450x^6 + 215x^5 + 43x^4 - 97x^3 + 48x^2 - 11x + 1$

d = 39; r₁ = 5;

Disc = -3915937021853512724747393140936191312577721849809643

R = 21.03261

$P = x^{39} - 13x^{37} + 9x^{36} + 78x^{35} - 108x^{34} - 234x^{33} + 594x^{32} + 143x^{31} - 1810x^{30} + 1573x^{29} + 2755 \times x^{28} - 6445x^{27} + 522x^{26} + 11673x^{25} - 11301x^{24} - 7653x^{23} + 22308x^{22} - 10756x^{21} - 16461x^{20} + 28003 \times x^{19} - 8843x^{18} - 20541x^{17} + 27294x^{16} - 6120x^{15} - 17031x^{14} + 19492x^{13} - 4763x^{12} - 8872x^{11} + 10365 \times x^{10} - 3356x^9 - 2703x^8 + 3531x^7 - 1445x^6 - 198x^5 + 532x^4 - 292x^3 + 86x^2 - 14x + 1$

d = 39; r₁ = 7;

Disc = 22338502240467171340033500790808244232955670229898653

R = 21.99295

$P = x^{39} - 13x^{37} - 15x^{36} + 82x^{35} + 182x^{34} - 233x^{33} - 1074x^{32} - 151x^{31} + 3728x^{30} + 3945x^{29} - 7486 \times x^{28} - 16819x^{27} + 5031x^{26} + 41368x^{25} + 18354x^{24} - 66059x^{23} - 70781x^{22} + 66123x^{21} + 133903x^{20} - 28005 \times x^{19} - 168391x^{18} - 28496x^{17} + 150590x^{16} + 65935x^{15} - 96647x^{14} - 66676x^{13} + 42737x^{12} + 43935x^{11} - 10824 \times x^{10} - 20019x^9 - 269x^8 + 6042x^7 + 1384x^6 - 992x^5 - 478x^4 + 20x^3 + 55x^2 + 13x + 1$

d = 39; r₁ = 9;

Disc = -227485508933618655559478723406510926362305906885243931

R = 23.34141

$P = x^{39} + 2x^{38} - 13x^{37} - 43x^{36} + 49x^{35} + 362x^{34} + 185x^{33} - 1537x^{32} - 2576x^{31} + 2799x^{30} + 11466 \times x^{29} + 3781x^{28} - 26292x^{27} - 34811x^{26} + 23178x^{25} + 89785x^{24} + 40776x^{23} - 110443x^{22} - 158802x^{21} + 15817 \times x^{20} + 217634x^{19} + 162912x^{18} - 108000x^{17} - 253206x^{16} - 91453x^{15} + 154701x^{14} + 181687x^{13} + 8068 \times x^{12} - 113011x^{11} - 70539x^{10} + 17975x^9 + 39172x^8 + 12082x^7 - 6033x^6 - 5160x^5 - 899x^4 + 267x^3 + 112x^2 + 7x - 1$

d = 39; r₁ = 11;

Disc = 36267446068118768337999198401587331607269698364552509

R = 22.26793

$P = x^{39} - 24x^{37} - 24x^{36} + 218x^{35} + 436x^{34} - 717x^{33} - 2805x^{32} - 805x^{31} + 7065x^{30} + 9650x^{29} - 3750 \times x^{28} - 19983x^{27} - 14398x^{26} + 10616x^{25} + 25267x^{24} + 14400x^{23} - 6001x^{22} - 17058x^{21} - 16353x^{20} - 6958 \times x^{19} + 8597x^{18} + 19657x^{17} + 13172x^{16} - 6535x^{15} - 18660x^{14} - 11363x^{13} + 4705x^{12} + 12222x^{11} + 7304 \times x^{10} - 1012x^9 - 4565x^8 - 3157x^7 - 652x^6 + 561x^5 + 583x^4 + 275x^3 + 78x^2 + 13x + 1$

d = 39; r₁ = 13;

Disc = -3420972687072749318631260140657491804215438067054193627

R = 25.02140

$P = x^{39} - 13x^{37} + 7x^{36} + 78x^{35} - 84x^{34} - 270x^{33} + 462x^{32} + 539x^{31} - 1529x^{30} - 407x^{29} + 3355x^{28} - 922 \times x^{27} - 5049x^{26} + 3546x^{25} + 5164x^{24} - 6033x^{23} - 3362x^{22} + 6530x^{21} + 1141x^{20} - 4889x^{19} - 132x^{18} + 2751 \times x^{17} + 298x^{16} - 1432x^{15} - 575x^{14} + 828x^{13} + 488x^{12} - 419x^{11} - 299x^{10} + 72x^9 + 190x^8 + 148x^7 - 62 \times x^6 - 161x^5 - 49x^4 + 43x^3 + 36x^2 + 10x + 1$

d = 39; r₁ = 15;

Disc = 172581674153838208325207512998290513712705911600103626741

R = 27.66777

$$P = x^{39} + 4x^{38} - 9x^{37} - 106x^{36} - 274x^{35} + 132x^{34} + 2939x^{33} + 8978x^{32} + 8040x^{31} - 27373x^{30} - 90836 \times x^{29} - 45230x^{28} + 234532x^{27} + 386313x^{26} - 197175x^{25} - 935843x^{24} - 279875x^{23} + 1252542x^{22} + 1007093 \times x^{21} - 988064x^{20} - 1426204x^{19} + 356087x^{18} + 1251483x^{17} + 140360x^{16} - 739273x^{15} - 275550x^{14} + 293001 \times x^{13} + 187592x^{12} - 70648x^{11} - 77336x^{10} + 5603x^9 + 20619x^8 + 2389x^7 - 3412x^6 - 915x^5 + 292x^4 + 136 \times x^3 - 3x^2 - 8x - 1$$

d = 39; r₁ = 17;

$$\text{Disc} = -5250509422850148787582428120822670968331704916931409641539$$

$$R = 30.19988$$

$$P = x^{39} - 23x^{37} + 6x^{36} + 233x^{35} - 85x^{34} - 1416x^{33} + 475x^{32} + 5971x^{31} - 1156x^{30} - 18963x^{29} - 726 \times x^{28} + 47166x^{27} + 16049x^{26} - 92631x^{25} - 65367x^{24} + 140593x^{23} + 164560x^{22} - 153969x^{21} - 294142 \times x^{20} + 95806x^{19} + 385983x^{18} + 24187x^{17} - 369007x^{16} - 134614x^{15} + 245892x^{14} + 163586x^{13} - 101326 \times x^{12} - 113790x^{11} + 14886x^{10} + 48060x^9 + 7654x^8 - 11220x^7 - 4505x^6 + 945x^5 + 855x^4 + 90x^3 - 45x^2 - 13x - 1$$

d = 39; r₁ = 19;

$$\text{Disc} = 21121030758110737612516699653142298514918728165834797727561$$

$$R = 31.29720$$

$$P = x^{39} + 6x^{38} - 7x^{37} - 87x^{36} - 169x^{35} + 64x^{34} + 2190x^{33} + 3175x^{32} - 5754x^{31} - 13695x^{30} - 21503x^{29} - 7185 \times x^{28} + 173789x^{27} + 221240x^{26} - 506073x^{25} - 842451x^{24} + 830145x^{23} + 1797796x^{22} - 783159x^{21} - 2546845 \times x^{20} + 270348x^{19} + 2532076x^{18} + 332549x^{17} - 1791135x^{16} - 595049x^{15} + 884447x^{14} + 478532x^{13} - 282778 \times x^{12} - 239433x^{11} + 43320x^{10} + 77328x^9 + 5456x^8 - 15136x^7 - 4147x^6 + 1379x^5 + 797x^4 + 35x^3 - 52x^2 - 13x - 1$$

d = 39; r₁ = 21;

$$\text{Disc} = -23476903102689906093950600206286333359729982595631725297299$$

$$R = 31.38218$$

$$P = T_{39} + 6T_{38} + 20T_{37} + 54T_{36} + 127T_{35} + 264T_{34} + 506T_{33} + 912T_{32} + 1552T_{31} + 2523T_{30} + 3946 \times T_{29} + 5951T_{28} + 8695T_{27} + 12349T_{26} + 17076T_{25} + 23043T_{24} + 30395T_{23} + 39233T_{22} + 49618T_{21} + 61537 \times T_{20} + 74892T_{19} + 89502T_{18} + 105076T_{17} + 121221T_{16} + 137453T_{15} + 153195T_{14} + 167804T_{13} + 180597 \times T_{12} + 190883T_{11} + 197997T_{10} + 201332T_9 + 200393T_8 + 194820T_7 + 184408T_6 + 169158T_5 + 149264 \times T_4 + 125109T_3 + 97290T_2 + 66558T_1 + 33794$$

d = 39; r₁ = 23;

$$\text{Disc} = 5032067672178260343099709677281416067106425838935653435108181$$

$$R = 36.01265$$

$$P = x^{39} - 66x^{37} - 21x^{36} + 1576x^{35} + 805x^{34} - 21308x^{33} - 7259x^{32} + 167022x^{31} + 7437x^{30} - 793587 \times x^{29} + 156761x^{28} + 2436717x^{27} - 903108x^{26} - 5112044x^{25} + 2524123x^{24} + 7639772x^{23} - 4461786x^{22} - 8378044x^{21} + 5469754x^{20} + 6879410x^{19} - 4867947x^{18} - 4283079x^{17} + 3224866x^{16} + 2033754x^{15} - 1610500 \times x^{14} - 735980x^{13} + 608300x^{12} + 201350x^{11} - 172805x^{10} - 40919x^9 + 36337x^8 + 5984x^7 - 5485x^6 - 595 \times x^5 + 562x^4 + 36x^3 - 35x^2 - x + 1$$

d = 39; r₁ = 25;

$$\text{Disc} = -120067635743635720334528171505455968096820339078408140372133659$$

$$R = 39.06431$$

$$P = T_{39} + T_{38} - T_{32} + T_{30} + 2T_{25} + T_{24} + T_{22} - T_{20} - T_{19} - 2T_{18} + T_{17} + 2T_{16} + T_{14} + T_{13} - T_{12} - T_{10} + 2 \times T_8 + T_5 - T_4 - T_1 + 1$$

d = 39; r₁ = 27;

$$\text{Disc} = 439960373317448176578541457146498428919962864110014998638996809$$

$$R = 40.38698$$

$$P = T_{39} + 2T_{38} + 4T_{37} + 5T_{36} + 5T_{35} + 3T_{34} - 3T_{32} - 5T_{31} - 5T_{30} - 4T_{29} - 3T_{28} - T_{27} + 3T_{25} + 6T_{24} + 9 \times T_{23} + 10T_{22} + 8T_{21} + 3T_{20} - 4T_{19} - 10T_{18} - 14T_{17} - 15T_{16} - 13T_{15} - 8T_{14} - 2T_{13} + 5T_{12} + 12T_{11} + 18 \times T_{10} + 21T_9 + 19T_8 + 13T_7 + 3T_6 - 8T_5 - 16T_4 - 20T_3 - 18T_2 - 14T_1 - 7$$

d = 39; r₁ = 29;

$$\text{Disc} = -2363007610644247661178134707791545734903383925278052129116145771$$

$$R = 42.16583$$

$$P = T_{39} + T_{38} - 2T_{36} - 4T_{35} - 3T_{34} + 2T_{33} + 8T_{32} + 10T_{31} + 3T_{30} - 12T_{29} - 21T_{28} - 15T_{27} + 8T_{26} + 34 \times T_{25} + 37T_{24} + 6T_{23} - 40T_{22} - 65T_{21} - 37T_{20} + 33T_{19} + 89T_{18} + 81T_{17} - 2T_{16} - 101T_{15} - 129T_{14} - 51T_{13} + 84 \times T_{12} + 168T_{11} + 119T_{10} - 36T_9 - 177T_8 - 185T_7 - 39T_6 + 150T_5 + 227T_4 + 123T_3 - 86T_2 - 232T_1 - 193$$

d = 39; r₁ = 31;

$$\text{Disc} = 234554855192887368336902444085140709013693255445037289451439754741$$

$$R = 47.44169$$

$$P = T_{39} + T_{38} + T_{37} + T_{36} - T_{33} - T_{32} - T_{31} + T_{29} + T_{28} + 2T_{27} - T_{24} - T_{23} + 2T_{20} + T_{19} + 2T_{18} - T_{16} - T_{15} - 2 \times T_{14} + 2T_{11} + 2T_{10} + 2T_9 + T_8 - T_7 - T_6 - 2T_5 - T_4 + T_2 + T_1 + 1$$

d = 39; r₁ = 33;

$$\text{Disc} = -14346702463839650107300550557471197894757240732541668805258714138711$$

$$R = 52.71910$$

$$P = x^{39} - 53x^{37} + 1118x^{35} + 64x^{34} - 12424x^{33} - 1824x^{32} + 81665x^{31} + 20832x^{30} - 341285x^{29} - 125808 \times x^{28} + 958945x^{27} + 463428x^{26} - 1891715x^{25} - 1133050x^{24} + 2702031x^{23} + 1943380x^{22} - 2849631x^{21} - 2426966x^{20} + 2239432x^{19} + 2261569x^{18} - 1309214x^{17} - 1596140x^{16} + 560337x^{15} + 859157x^{14} - 168337 \times x^{13} - 352563x^{12} + 31661x^{11} + 109387x^{10} - 2086x^9 - 25200x^8 - 613x^7 + 4173x^6 + 189x^5 - 469x^4 - 22 \times x^3 + 32x^2 + x - 1$$

d = 39; r₁ = 35;

$$\text{Disc} = 973698656554142322737557940325004322376239502903987561625650346495981$$

$$R = 58.74000$$

$$P = T_{39} + 4T_{38} + 9T_{37} + 14T_{36} + 17T_{35} + 14T_{34} + 2T_{33} - 18T_{32} - 46T_{31} - 82T_{30} - 128T_{29} - 186T_{28} - 260 \times T_{27} - 353T_{26} - 464T_{25} - 585T_{24} - 708T_{23} - 831T_{22} - 952T_{21} - 1075T_{20} - 1203T_{19} - 1335T_{18} - 1463 \times T_{17} - 1579T_{16} - 1673T_{15} - 1739T_{14} - 1781T_{13} - 1804T_{12} - 1813T_{11} - 1800T_{10} - 1757T_9 - 1678T_8 - 1561 \times T_7 - 1410T_6 - 1238T_5 - 1058T_4 - 870T_3 - 674T_2 - 464T_1 - 238$$

d = 39; r₁ = 37;

$$\text{Disc} = -48359347358316518840197974958987529921869150343049036634480314999391803$$

$$R = 64.92659$$

$$P = T_{39} - T_{37} - 2T_{36} + 2T_{34} + T_{33} - T_{31} - 2T_{30} + 2T_{28} + 3T_{27} - 3T_{25} - 3T_{24} + 3T_{22} + 4T_{21} - 4T_{19} - 5 \times T_{18} + 5T_{16} + 3T_{15} - 3T_{13} - 4T_{12} + 4T_{10} + 6T_9 - 6T_7 - 4T_6 + 4T_4 + 4T_3 - 4T_1 - 5$$

d = 39; r₁ = 39;

$$\text{Disc} = 1287743804278744050410620426954739687963064854495168753870500853746064161$$

$$R = 70.62687$$

$$P = T_{39} + T_{38}$$

d = 40; r₁ = 0;

Disc = 2321397522872238414471450612686850554108752298401

R = 16.18616

$P = x^{40} + 10x^{39} + 55x^{38} + 220x^{37} + 713x^{36} + 1976x^{35} + 4834x^{34} + 10657x^{33} + 21479x^{32} + 39992x^{31} + 69328 \times x^{30} + 112573x^{29} + 172025x^{28} + 248312x^{27} + 339578x^{26} + 440999x^{25} + 544874x^{24} + 641411x^{23} + 720145 \times x^{22} + 771730x^{21} + 789697x^{20} + 771730x^{19} + 720145x^{18} + 641411x^{17} + 544874x^{16} + 440999x^{15} + 339578 \times x^{14} + 248312x^{13} + 172025x^{12} + 112573x^{11} + 69328x^{10} + 39992x^9 + 21479x^8 + 10657x^7 + 4834x^6 + 1976 \times x^5 + 713x^4 + 220x^3 + 55x^2 + 10x + 1$

d = 40; r₁ = 2;

Disc = -40104016313297409191174438555043864207699194455679

R = 17.38120

$P = x^{40} + 10x^{39} + 54x^{38} + 211x^{37} + 668x^{36} + 1811x^{35} + 4347x^{34} + 9435x^{33} + 18780x^{32} + 34628x^{31} + 59590 \times x^{30} + 96242x^{29} + 146522x^{28} + 210983x^{27} + 288108x^{26} + 373874x^{25} + 461806x^{24} + 543617x^{23} + 610406 \times x^{22} + 654199x^{21} + 669455x^{20} + 654199x^{19} + 610406x^{18} + 543617x^{17} + 461806x^{16} + 373874x^{15} + 288108 \times x^{14} + 210983x^{13} + 146522x^{12} + 96242x^{11} + 59590x^{10} + 34628x^9 + 18780x^8 + 9435x^7 + 4347x^6 + 1811 \times x^5 + 668x^4 + 211x^3 + 54x^2 + 10x + 1$

d = 40; r₁ = 4;

Disc = 52406602493588357325850447607940759159372258790537

R = 17.49785

$P = x^{40} + 10x^{39} + 50x^{38} + 175x^{37} + 463x^{36} + 951x^{35} + 1460x^{34} + 1274x^{33} - 1260x^{32} - 9116x^{31} - 26712 \times x^{30} - 59529x^{29} - 113130x^{28} - 191507x^{27} - 295234x^{26} - 419916x^{25} - 555556x^{24} - 687498x^{23} - 798678 \times x^{22} - 873072x^{21} - 899265x^{20} - 873072x^{19} - 798678x^{18} - 687498x^{17} - 555556x^{16} - 419916x^{15} - 295234 \times x^{14} - 191507x^{13} - 113130x^{12} - 59529x^{11} - 26712x^{10} - 9116x^9 - 1260x^8 + 1274x^7 + 1460x^6 + 951x^5 + 463 \times x^4 + 175x^3 + 50x^2 + 10x + 1$

d = 40; r₁ = 6;

Disc = -1084578923400754090779312617378874108045046169607779

R = 18.87476

$P = x^{40} + 2x^{39} + 6x^{38} + 15x^{37} + 24x^{36} + 58x^{35} + 76x^{34} + 150x^{33} + 193x^{32} + 291x^{31} + 386x^{30} + 454 \times x^{29} + 608x^{28} + 600x^{27} + 758x^{26} + 701x^{25} + 764x^{24} + 753x^{23} + 671x^{22} + 771x^{21} + 615x^{20} + 771x^{19} + 671 \times x^{18} + 753x^{17} + 764x^{16} + 701x^{15} + 758x^{14} + 600x^{13} + 608x^{12} + 454x^{11} + 386x^{10} + 291x^9 + 193x^8 + 150 \times x^7 + 76x^6 + 58x^5 + 24x^4 + 15x^3 + 6x^2 + 2x + 1$

d = 40; r₁ = 8;

Disc = 15057211367380804803343816687612566179488417815138493

R = 20.15782

$P = x^{40} + 6x^{39} + 10x^{38} - 29x^{37} - 180x^{36} - 367x^{35} - 87x^{34} + 1472x^{33} + 4319x^{32} + 6033x^{31} + 1754 \times x^{30} - 12174x^{29} - 32355x^{28} - 46206x^{27} - 38839x^{26} - 5825x^{25} + 40106x^{24} + 77392x^{23} + 92965x^{22} + 91757 \times x^{21} + 88731x^{20} + 91757x^{19} + 92965x^{18} + 77392x^{17} + 40106x^{16} - 5825x^{15} - 38839x^{14} - 46206x^{13} - 32355 \times x^{12} - 12174x^{11} + 1754x^{10} + 6033x^9 + 4319x^8 + 1472x^7 - 87x^6 - 367x^5 - 180x^4 - 29x^3 + 10x^2 + 6x + 1$

d = 40; r₁ = 10;

Disc = -5033883870439206161058353094365991032688658584906896531

R = 23.31028

$P = x^{40} + 10x^{39} + 32x^{38} - 43x^{37} - 767x^{36} - 3333x^{35} - 7766x^{34} - 4517x^{33} + 47003x^{32} + 255784x^{31} + 841407 \times x^{30} + 2147683x^{29} + 4578159x^{28} + 8417698x^{27} + 13564073x^{26} + 19282414x^{25} + 24157064x^{24} + 26381572 \times x^{23} + 24374684x^{22} + 17501473x^{21} + 6546109x^{20} - 6358684x^{19} - 18388085x^{18} - 26999162x^{17} - 30776821 \times x^{16} - 29777927x^{15} - 25273880x^{14} - 19093674x^{13} - 12922049x^{12} - 7849020x^{11} - 4274020x^{10} - 2078812 \times x^9 - 897701x^8 - 341190x^7 - 112755x^6 - 31857x^5 - 7511x^4 - 1425x^3 - 205x^2 - 20x - 1$

d = 40; r₁ = 12;

Disc = 14642278047244268954570345462257282605521038290524704609

R = 23.94089

$P = x^{40} + 13x^{39} + 71x^{38} + 187x^{37} + 92x^{36} - 945x^{35} - 2954x^{34} - 2622x^{33} + 5562x^{32} + 18567x^{31} + 16269 \times x^{30} - 18280x^{29} - 59193x^{28} - 46266x^{27} + 32914x^{26} + 96632x^{25} + 63251x^{24} - 26168x^{23} - 58612x^{22} - 17596 \times x^{21} + 10x^{20} - 45476x^{19} - 65724x^{18} + 2164x^{17} + 82932x^{16} + 81562x^{15} + 21292x^{14} - 17040x^{13} - 17656 \times x^{12} - 17360x^{11} - 26288x^{10} - 24584x^9 - 7614x^8 + 8347x^7 + 12410x^6 + 8310x^5 + 3508x^4 + 988x^3 + 182x^2 + 20x + 1$

d = 40; r₁ = 14;

Disc = -440020747247349244920051448208395296795223559197323942671

R = 26.06675

$$P = x^{40} + 20x^{39} + 194x^{38} + 1199x^{37} + 5214x^{36} + 16538x^{35} + 37727x^{34} + 54796x^{33} + 14637x^{32} - 172205 \times x^{31} - 545736x^{30} - 922490x^{29} - 791466x^{28} + 434799x^{27} + 2732412x^{26} + 4845888x^{25} + 4641356x^{24} + 756647 \times x^{23} - 5587546x^{22} - 10590158x^{21} - 10423161x^{20} - 4476995x^{19} + 3755806x^{18} + 9263912x^{17} + 9329151 \times x^{16} + 5169683x^{15} + 279632x^{14} - 2551110x^{13} - 2822407x^{12} - 1716256x^{11} - 573804x^{10} + 15480x^9 + 139815 \times x^8 + 84796x^7 + 26018x^6 + 2400x^5 - 1507x^4 - 760x^3 - 170x^2 - 20x - 1$$

d = 40; r₁ = 16;

$$\text{Disc} = 4109111597911485916109499726893144661704781199580694603881$$

$$R = 27.56409$$

$$P = x^{40} + 2x^{39} - 23x^{38} - 52x^{37} + 220x^{36} + 567x^{35} - 1137x^{34} - 3447x^{33} + 3397x^{32} + 12973x^{31} - 5530 \times x^{30} - 31370x^{29} + 2653x^{28} + 47786x^{27} + 7405x^{26} - 39050x^{25} - 17232x^{24} - 1795x^{23} + 19225x^{22} + 42922 \times x^{21} - 17957x^{20} - 42922x^{19} + 19225x^{18} + 1795x^{17} - 17232x^{16} + 39050x^{15} + 7405x^{14} - 47786x^{13} + 2653 \times x^{12} + 31370x^{11} - 5530x^{10} - 12973x^9 + 3397x^8 + 3447x^7 - 1137x^6 - 567x^5 + 220x^4 + 52x^3 - 23x^2 - 2x + 1$$

d = 40; r₁ = 18;

$$\text{Disc} = -324773154787124093026545986953529617448101911517043006006911$$

$$R = 30.74606$$

$$P = x^{40} + 8x^{39} + 2x^{38} - 147x^{37} - 399x^{36} + 403x^{35} + 3067x^{34} + 2364x^{33} - 8822x^{32} - 18014x^{31} + 3212 \times x^{30} + 47276x^{29} + 50693x^{28} - 38102x^{27} - 157433x^{26} - 105712x^{25} + 202532x^{24} + 378409x^{23} - 23463 \times x^{22} - 563308x^{21} - 343434x^{20} + 431090x^{19} + 608831x^{18} - 46028x^{17} - 536829x^{16} - 272318x^{15} + 216577 \times x^{14} + 299252x^{13} + 50777x^{12} - 127270x^{11} - 99914x^{10} - 5456x^9 + 34254x^8 + 21879x^7 + 3060x^6 - 3432 \times x^5 - 2534x^4 - 874x^3 - 176x^2 - 20x - 1$$

d = 40; r₁ = 20;

$$\text{Disc} = 31522860842771926908509120790025105228072406035616855869349$$

$$R = 29.00452$$

$$P = x^{40} + 10x^{39} + 42x^{38} + 83x^{37} + 11x^{36} - 331x^{35} - 693x^{34} - 193x^{33} + 1455x^{32} + 2200x^{31} - 469x^{30} - 4112 \times x^{29} - 2277x^{28} + 4331x^{27} + 4917x^{26} - 3511x^{25} - 6632x^{24} + 2693x^{23} + 7648x^{22} - 2179x^{21} - 8007x^{20} + 2179 \times x^{19} + 7648x^{18} - 2693x^{17} - 6632x^{16} + 3511x^{15} + 4917x^{14} - 4331x^{13} - 2277x^{12} + 4112x^{11} - 469x^{10} - 2200 \times x^9 + 1455x^8 + 193x^7 - 693x^6 + 331x^5 + 11x^4 - 83x^3 + 42x^2 - 10x + 1$$

d = 40; r₁ = 22;

$$\text{Disc} = -17302609540767206336288583771561871537180826911370166056684051$$

$$R = 33.95884$$

$$P = x^{40} + 13x^{39} - 26x^{38} - 298x^{37} - 59x^{36} + 2529x^{35} + 3876x^{34} - 8204x^{33} - 28768x^{32} - 7248x^{31} + 86238 \times x^{30} + 129886x^{29} - 64638x^{28} - 375274x^{27} - 290387x^{26} + 384810x^{25} + 894807x^{24} + 312551x^{23} - 947672 \times x^{22} - 1286539x^{21} - 58163x^{20} + 1315403x^{19} + 1156006x^{18} - 231214x^{17} - 1107152x^{16} - 654502x^{15} + 263123 \times x^{14} + 569892x^{13} + 234555x^{12} - 123538x^{11} - 173966x^{10} - 55292x^9 + 25389x^8 + 29070x^7 + 9069x^6 - 1209 \times x^5 - 2059x^4 - 817x^3 - 173x^2 - 20x - 1$$

d = 40; r₁ = 24;

$$\text{Disc} = 6665189243356133450698765171940397569377583330465910009734321$$

$$R = 33.15853$$

$$P = x^{40} + 11x^{39} + 3x^{38} - 215x^{37} - 599x^{36} + 480x^{35} + 5131x^{34} + 8252x^{33} - 6418x^{32} - 43432x^{31} - 58198 \times x^{30} + 22132x^{29} + 183775x^{28} + 247054x^{27} + 13760x^{26} - 429852x^{25} - 647502x^{24} - 262225x^{23} + 535345 \times x^{22} + 1037588x^{21} + 707590x^{20} - 225892x^{19} - 964418x^{18} - 924472x^{17} - 251936x^{16} + 424376x^{15} + 629396 \times x^{14} + 382996x^{13} + 19734x^{12} - 183308x^{11} - 183076x^{10} - 88992x^9 - 8554x^8 + 22984x^7 + 21629x^6 + 11430 \times x^5 + 4150x^4 + 1064x^3 + 186x^2 + 20x + 1$$

d = 40; r₁ = 26;

$$\text{Disc} = -2597831135471590549449969374998648076737260777722668852814067131$$

$$R = 38.49154$$

$$P = x^{40} + 7x^{39} + 2x^{38} - 105x^{37} - 302x^{36} + 145x^{35} + 2346x^{34} + 4258x^{33} - 2188x^{32} - 21266x^{31} - 31830 \times x^{30} + 9019x^{29} + 102298x^{28} + 143197x^{27} - 4117x^{26} - 291126x^{25} - 404936x^{24} - 72634x^{23} + 509325 \times x^{22} + 734904x^{21} + 249935x^{20} - 543258x^{19} - 858686x^{18} - 401176x^{17} + 326612x^{16} + 633116x^{15} + 364952 \times x^{14} - 75946x^{13} - 277076x^{12} - 191222x^{11} - 23966x^{10} + 60484x^9 + 53008x^8 + 18088x^7 - 2224x^6 - 5565 \times x^5 - 3004x^4 - 931x^3 - 179x^2 - 20x - 1$$

d = 40; r₁ = 28;

$$\text{Disc} = 30545306752510412342425978769960538944437761713236297530719862784$$

$$R = 40.93772$$

$$P = T_{40} + 2T_{36} + T_{34} + 2T_{32} + 2T_{30} + 3T_{28} + 3T_{26} + 3T_{24} + 5T_{22} + 3T_{20} + 6T_{18} + 3T_{16} + 6T_{14} + 3T_{12} + 5 \times T_{10} + 3T_8 + 2T_6 + 4T_4 - T_2 + 3$$

d = 40; r₁ = 30 ;

$$\text{Disc} = -1463614329589090928477271378176353006596372702272485060704714358784$$

$$R = 45.09576$$

$$P = x^{40} + 6x^{39} - 31x^{38} - 226x^{37} + 392x^{36} + 3766x^{35} - 2747x^{34} - 37198x^{33} + 14582x^{32} + 243378 \times x^{31} - 90139x^{30} - 1097622x^{29} + 569523x^{28} + 3416588x^{27} - 2588574x^{26} - 7194860x^{25} + 7752225x^{24} + 9661378 \times x^{23} - 15349249x^{22} - 6584918x^{21} + 20067132x^{20} - 1689452x^{19} - 16626444x^{18} + 8287312x^{17} + 7407879 \times x^{16} - 7980584x^{15} - 205696x^{14} + 3581912x^{13} - 1547254x^{12} - 471800x^{11} + 667160x^{10} - 200560x^9 - 48427 \times x^8 + 61710x^7 - 22035x^6 + 1950x^5 + 1532x^4 - 760x^3 + 170x^2 - 20x + 1$$

d = 40; r₁ = 32 ;

$$\text{Disc} = 4177294947037815851584245058355877937639755873938159053233870945229$$

$$R = 46.29375$$

$$P = x^{40} + 13x^{39} - 80x^{38} - 1383x^{37} - 3656x^{36} + 12081x^{35} + 66671x^{34} + 8234x^{33} - 445548x^{32} - 573763 \times x^{31} + 1491574x^{30} + 3551143x^{29} - 2213680x^{28} - 11555353x^{27} - 1715041x^{26} + 23259874x^{25} + 15102224 \times x^{24} - 29482586x^{23} - 34134946x^{22} + 20839756x^{21} + 44558639x^{20} - 1622330x^{19} - 36764392x^{18} - 12560564 \times x^{17} + 18378503x^{16} + 13418824x^{15} - 4108166x^{14} - 7009806x^{13} - 864406x^{12} + 1919326x^{11} + 854066 \times x^{10} - 174996x^9 - 221920x^8 - 37689x^7 + 19422x^6 + 9675x^5 + 889x^4 - 437x^3 - 153x^2 - 20x - 1$$

d = 40; r₁ = 34 ;

$$\text{Disc} = -1405615463960973557925351584936258046209076178816339898228223300441963$$

$$R = 53.54226$$

$$P = T_{40} - T_{36} + T_{34} + T_{32} - T_{30} - T_{28} - T_{27} + 2T_{25} + T_{23} - 2T_{22} - 2T_{21} + T_{19} + T_{18} + T_{17} - T_{16} - T_{15} + T_{12} + T_{10} - T_9 - T_7 + 3T_4 - 2T_1 - 2$$

d = 40; r₁ = 36 ;

$$\text{Disc} = 1355149268638279281536878745623417466874431704312436076307583340642304$$

$$R = 53.49334$$

$$P = T_{40} - T_{30} - 2T_{28} - T_{26} - T_{24} - 2T_{22} - 2T_{20} - T_{18} - T_{14} - T_{12} + T_{10} + T_8 + T_2 + 1$$

d = 40; r₁ = 38 ;

$$\text{Disc} = -22346215998624373625738672823641736667373143499060637144278673748311991$$

$$R = 57.37598$$

$$P = x^{40} + 20x^{39} + 160x^{38} + 570x^{37} + 118x^{36} - 6312x^{35} - 19047x^{34} + 3366x^{33} + 128221x^{32} + 203976x^{31} - 280712x^{30} - 1188056x^{29} - 467194x^{28} + 3075800x^{27} + 4326244x^{26} - 3240584x^{25} - 11857883x^{24} - 3419276 \times x^{23} + 17472926x^{22} + 17420034x^{21} - 12801359x^{20} - 29327706x^{19} - 1593815x^{18} + 28643395x^{17} + 14005981 \times x^{16} - 17036744x^{15} - 15536238x^{14} + 5344482x^{13} + 9399995x^{12} + 3502x^{11} - 3422387x^{10} - 704446x^9 + 709505 \times x^8 + 268418x^7 - 63071x^6 - 42763x^5 - 1949x^4 + 2284x^3 + 503x^2 + 39x + 1$$

d = 40; r₁ = 40 ;

$$\text{Disc} = 100383397447978918530459891214693626269465146363712847232818603515625$$

$$R = 50.12352$$

$$P = T_{40} + T_{39} - T_{37} - T_{36} - T_{35} - T_{34} + T_{32} + T_{31} - T_{29} - T_{28} + T_{26} + 2T_{25} + 2T_{24} + T_{23} - T_{22} - 2 \times T_{21} - 2T_{20} - T_{19} + T_{17} + T_{16} - T_{14} - T_{13} + T_{11} + 2T_{10} + 2T_9 + T_8 - T_6 - 2T_5 - 2T_4 - T_3$$

d = 41; r₁ = 1;

$$\text{Disc} = 23930712948593046664921156019685923940698788131954581$$

$$R = 18.94678$$

$$P = x^{41} + 5x^{40} + 15x^{39} + 35x^{38} + 71x^{37} + 131x^{36} + 224x^{35} + 360x^{34} + 548x^{33} + 796x^{32} + 1109x^{31} + 1487 \times x^{30} + 1924x^{29} + 2408x^{28} + 2921x^{27} + 3439x^{26} + 3934x^{25} + 4376x^{24} + 4737x^{23} + 4993x^{22} + 5127x^{21} + 5127 \times x^{20} + 4994x^{19} + 4738x^{18} + 4377x^{17} + 3935x^{16} + 3440x^{15} + 2922x^{14} + 2409x^{13} + 1925x^{12} + 1488x^{11} + 1109 \times x^{10} + 796x^9 + 548x^8 + 360x^7 + 224x^6 + 131x^5 + 71x^4 + 35x^3 + 15x^2 + 5x + 1$$

d = 41; r₁ = 3;

$$\text{Disc} = -2834153637100078318024027887263327033758104935211904283$$

$$R = 21.28668$$

$$P = x^{41} + 6x^{40} + 22x^{39} + 63x^{38} + 153x^{37} + 330x^{36} + 647x^{35} + 1173x^{34} + 1988x^{33} + 3176x^{32} + 4812x^{31} + 6947 \times x^{30} + 9592x^{29} + 12703x^{28} + 16175x^{27} + 19836x^{26} + 23466x^{25} + 26807x^{24} + 29600x^{23} + 31612x^{22} + 32664 \times x^{21} + 32664x^{20} + 31610x^{19} + 29599x^{18} + 26805x^{17} + 23464x^{16} + 19835x^{15} + 16174x^{14} + 12703x^{13} + 9592 \times x^{12} + 6947x^{11} + 4812x^{10} + 3176x^9 + 1988x^8 + 1173x^7 + 647x^6 + 330x^5 + 153x^4 + 63x^3 + 22x^2 + 6x + 1$$

d = 41; r₁ = 5;

$$\text{Disc} = 2034999102681305222451496482982544603947929890301820106833$$

$$R = 24.99021$$

$$P = x^{41} + 8x^{40} + 17x^{39} - 28x^{38} - 148x^{37} - 21x^{36} + 612x^{35} + 482x^{34} - 1704x^{33} - 2089x^{32} + 3616x^{31} + 5785 \times x^{30} - 6271x^{29} - 12103x^{28} + 9371x^{27} + 20424x^{26} - 12614x^{25} - 28715x^{24} + 15787x^{23} + 34167x^{22} - 18560 \times x^{21} - 34549x^{20} + 20241x^{19} + 29499x^{18} - 19945x^{17} - 20850x^{16} + 17230x^{15} + 11671x^{14} - 12650x^{13} - 4628 \times x^{12} + 7613x^{11} + 777x^{10} - 3566x^9 + 475x^8 + 1184x^7 - 445x^6 - 218x^5 + 167x^4 - 4x^3 - 26x^2 + 9x - 1$$

d = 41; r₁ = 7;

$$\text{Disc} = -163488841145843328982112246866458969777548894012146227299$$

$$R = 23.49961$$

$$P = T_{41} + 8T_{39} + T_{38} + 35T_{37} + 7T_{36} + 113T_{35} + 27T_{34} + 299T_{33} + 78T_{32} + 683T_{31} + 187T_{30} + 1391 \times T_{29} + 390T_{28} + 2576T_{27} + 729T_{26} + 4393T_{25} + 1244T_{24} + 6961T_{23} + 1960T_{22} + 10314T_{21} + 2874T_{20} + 14351 \times T_{19} + 3943T_{18} + 18801T_{17} + 5077T_{16} + 23216T_{15} + 6143T_{14} + 27005T_{13} + 6979T_{12} + 29512T_{11} + 7418 \times T_{10} + 30126T_9 + 7320T_8 + 28404T_7 + 6603T_6 + 24181T_5 + 5266T_4 + 17638T_3 + 3399T_2 + 9306T_1 + 1176$$

d = 41; r₁ = 9;

$$\text{Disc} = 46360388957318512552826456525394343071453444841025877734137$$

$$R = 26.97004$$

$$P = x^{41} + 16x^{39} + 16x^{38} - 116x^{37} - 304x^{36} + 82x^{35} + 2844x^{34} + 1790x^{33} - 24374x^{32} - 88x^{31} + 148041 \times x^{30} - 87315x^{29} - 566306x^{28} + 566236x^{27} + 1374393x^{26} - 1899201x^{25} - 2101400x^{24} + 4040823x^{23} + 1805469 \times x^{22} - 5833115x^{21} - 223508x^{20} + 5837306x^{19} - 1539556x^{18} - 4001090x^{17} + 2175949x^{16} + 1753672x^{15} - 1618564x^{14} - 362662x^{13} + 750322x^{12} - 71316x^{11} - 213228x^{10} + 74650x^9 + 30378x^8 - 22640x^7 + 576 \times x^6 + 3064x^5 - 828x^4 - 81x^3 + 79x^2 - 15x + 1$$

d = 41; r₁ = 11;

$$\text{Disc} = -1089008955349895576355406388660009756361811534038279900617083$$

$$R = 29.12848$$

$$P = x^{41} + 144x^{38} - 432x^{37} - 2976x^{36} + 8640x^{35} + 28036x^{34} - 75852x^{33} - 161540x^{32} + 390580x^{31} + 638024 \times x^{30} - 1327552x^{29} - 1825700x^{28} + 3174856x^{27} + 3901413x^{26} - 5556647x^{25} - 6342825x^{24} + 7303789 \times x^{23} + 7943780x^{22} - 7335454x^{21} - 7729916x^{20} + 5691467x^{19} + 5875460x^{18} - 3431256x^{17} - 3495691 \times x^{16} + 1608742x^{15} + 1625392x^{14} - 583978x^{13} - 587054x^{12} + 162353x^{11} + 162737x^{10} - 33894x^9 - 33923 \times x^8 + 5139x^7 + 5140x^6 - 534x^5 - 534x^4 + 34x^3 + 34x^2 - x - 1$$

d = 41; r₁ = 13;

$$\text{Disc} = 2101634285766593174699290787885703835235177482086411844733701$$

$$R = 29.59933$$

$$P = T_{41} + 5T_{39} + 15T_{37} + 35T_{35} + 70T_{33} + 126T_{31} + 209T_{29} + T_{28} + 322T_{27} + 3T_{26} + 467T_{25} + 6T_{24} + 641 \times T_{23} + 10T_{22} + 836T_{21} + 15T_{20} + 1039T_{19} + 21T_{18} + 1232T_{17} + 28T_{16} + 1394T_{15} + 34T_{14} + 1503T_{13} + 39 \times T_{12} + 1539T_{11} + 41T_{10} + 1489T_9 + 40T_8 + 1344T_7 + 36T_6 + 1106T_5 + 29T_4 + 788T_3 + 18T_2 + 410T_1 + 6$$

d = 41; r₁ = 15;

$$\text{Disc} = -7101920529027342952198730889952658858183385363619147408360675$$

$$R = 30.49158$$

$$P = x^{41} + 2x^{40} - 29x^{39} + 14x^{38} + 296x^{37} - 636x^{36} - 1122x^{35} + 5859x^{34} - 3108x^{33} - 21982x^{32} + 42301 \times x^{31} + 19814x^{30} - 151200x^{29} + 125187x^{28} + 218427x^{27} - 501985x^{26} + 97627x^{25} + 777185x^{24} - 893859 \times x^{23} - 297459x^{22} + 1429176x^{21} - 856921x^{20} - 848167x^{19} + 1508258x^{18} - 378418x^{17} - 948743x^{16} + 938023 \times x^{15} + 119x^{14} - 557131x^{13} + 343445x^{12} + 59418x^{11} - 176852x^{10} + 75198x^9 + 16323x^8 - 28797x^7 + 10450 \times x^6 + 547x^5 - 1905x^4 + 798x^3 - 172x^2 + 20x - 1$$

d = 41; r₁ = 17;

$$\text{Disc} = 7818827565303769024158532111007390741959850743062085262849741$$

$$R = 30.56318$$

$$P = x^{41} + x^{40} - 109x^{39} + x^{38} + 3706x^{37} + 111x^{36} - 55136x^{35} - 3484x^{34} + 437335x^{33} + 48168x^{32} - 2112978 \times x^{31} - 340999x^{30} + 6779275x^{29} + 1430980x^{28} - 15280910x^{27} - 3917315x^{26} + 25139091x^{25} + 7446280 \times x^{24} - 30989398x^{23} - 10246531x^{22} + 29144243x^{21} + 10496336x^{20} - 21154313x^{19} - 8151571x^{18} + 11924143 \times x^{17} + 4851171x^{16} - 5225088x^{15} - 2221801x^{14} + 1772143x^{13} + 781486x^{12} - 460165x^{11} - 209171x^{10} + 89693 \times x^9 + 41823x^8 - 12691x^7 - 6047x^6 + 1230x^5 + 597x^4 - 73x^3 - 36x^2 + 2x + 1$$

d = 41; r₁ = 19;

$$\text{Disc} = -141271319239012595037346020820534470464633115387409753576355771$$

$$R = 32.79858$$

$$P = x^{41} + 2x^{40} - 41x^{39} - 5x^{38} + 912x^{37} - 436x^{36} - 9774x^{35} + 10475x^{34} + 67242x^{33} - 85766x^{32} - 322387 \times x^{31} + 369673x^{30} + 1107645x^{29} - 978645x^{28} - 2783524x^{27} + 1689630x^{26} + 5213326x^{25} - 1881877x^{24} - 7388618x^{23} + 1128069x^{22} + 8002483x^{21} + 189194x^{20} - 6645470x^{19} - 1180417x^{18} + 4210489x^{17} + 1351162 \times x^{16} - 2001819x^{15} - 940237x^{14} + 687668x^{13} + 451085x^{12} - 155688x^{11} - 152643x^{10} + 16301x^9 + 35705 \times x^8 + 2179x^7 - 5404x^6 - 1075x^5 + 445x^4 + 159x^3 - 8x^2 - 9x - 1$$

d = 41; r₁ = 21;

$$\text{Disc} = 10097319802895311361332755812431292663854227502481567671129690993$$

$$R = 36.39806$$

$$P = x^{41} - 42x^{39} - 21x^{38} + 644x^{37} + 358x^{36} - 6048x^{35} - 5172x^{34} + 38132x^{33} + 45173x^{32} - 170522 \times x^{31} - 249051x^{30} + 563105x^{29} + 919385x^{28} - 1401082x^{27} - 2373872x^{26} + 2646436x^{25} + 4433154x^{24} - 3810136 \times x^{23} - 6142868x^{22} + 4199342x^{21} + 6435682x^{20} - 3558626x^{19} - 5163730x^{18} + 2325562x^{17} + 3196780 \times x^{16} - 1172050x^{15} - 1530378x^{14} + 453625x^{13} + 564608x^{12} - 133454x^{11} - 158921x^{10} + 29284x^9 + 33482 \times x^8 - 4639x^7 - 5109x^6 + 501x^5 + 533x^4 - 33x^3 - 34x^2 + x + 1$$

d = 41; r₁ = 23;

$$\text{Disc} = -69511298379189112593835827796244991942112398136948667134992474763$$

$$R = 38.15167$$

$$P = T_{41} + 4T_{39} + 10T_{37} + 21T_{35} + 39T_{33} + 65T_{31} + 100T_{29} + 145T_{27} + 199T_{25} + 260T_{23} + 325T_{21} + 389 \times T_{19} + 446T_{17} + T_{16} + 490T_{15} + 515T_{13} + 516T_{11} + 490T_9 + 436T_7 + 355T_5 + 251T_3 + 130T_1$$

d = 41; r₁ = 25;

$$\text{Disc} = 742236877179556543145629765399405994472339412922357286423999269897$$

$$R = 40.42021$$

$$P = T_{41} + 4T_{40} + 11T_{39} + 24T_{38} + 46T_{37} + 80T_{36} + 130T_{35} + 198T_{34} + 287T_{33} + 398T_{32} + 533T_{31} + 692 \times T_{30} + 876T_{29} + 1084T_{28} + 1317T_{27} + 1574T_{26} + 1854T_{25} + 2154T_{24} + 2471T_{23} + 2800T_{22} + 3136T_{21} + 3471 \times T_{20} + 3793T_{19} + 4092T_{18} + 4358T_{17} + 4588T_{16} + 4779T_{15} + 4928T_{14} + 5028T_{13} + 5072T_{12} + 5053T_{11} + 4965 \times T_{10} + 4807T_9 + 4577T_8 + 4278T_7 + 3911T_6 + 3480T_5 + 2987T_4 + 2443T_3 + 1857T_2 + 1247T_1 + 625$$

d = 41; r₁ = 27;

$$\text{Disc} = -1273500766753829954374375425711174158437193613348195447039707502443$$

$$R = 40.95595$$

$$P = T_{41} - T_{39} + 2T_{38} - 3T_{36} + 3T_{35} + T_{34} - 3T_{33} + 4T_{32} + T_{31} - 4T_{30} + 4T_{29} - 5T_{27} + 5T_{26} + T_{25} - 5 \times T_{24} + 6T_{23} - 6T_{21} + 5T_{20} - T_{19} - 5T_{18} + 5T_{17} - T_{16} - 2T_{15} + 4T_{14} - 3T_{13} + 4T_{11} - 4T_{10} + 3T_9 + 3T_8 - 6 \times T_7 + 4T_6 + T_5 - 7T_4 + 7T_3 + 2T_2 - 6T_1 + 8$$

d = 41; r₁ = 29;

$$\text{Disc} = 6549790257533289915794106460124568616391890447860981726938286666781$$

$$R = 42.62497$$

$$P = T_{41} + 2T_{40} + 2T_{39} + 2T_{38} + 2T_{37} + 2T_{36} + 2T_{35} + 2T_{34} + 2T_{33} + 3T_{32} + 4T_{31} + 2T_{30} - 2T_{27} - 4T_{26} - 4 \times T_{25} - 6T_{24} - 5T_{23} - 3T_{22} - 6T_{21} - 6T_{20} - 5T_{19} - 8T_{18} - 8T_{17} - 7T_{16} - 8T_{15} - 3T_{14} + 2T_{13} + 2T_{12} + 6 \times T_{11} + 8T_{10} + 6T_9 + 7T_8 + 6T_7 + 4T_6 + 8T_5 + 10T_4 + 8T_3 + 9T_2 + 8T_1 + 4$$

d = 41; r₁ = 31;

$$\text{Disc} = -546128800387197282420604149497490185052858735132516522149949140215363$$

$$R = 47.48095$$

$$P = T_{41} - T_{39} - T_{37} - T_{36} + 2T_{35} + 2T_{32} - T_{31} - T_{30} + T_{29} - 2T_{28} - T_{27} + T_{26} + T_{24} + 2T_{23} - T_{21} - T_{20} - T_{19} - T_{18} + T_{17} + T_{16} + T_{14} - T_{12} + T_{11} - T_{10} - T_9 + T_8 - T_7 + 2T_5 - T_4 + T_2 - T_1$$

d = 41; r₁ = 33;

$$\text{Disc} = 14892079929823632552241468413061105238001255494838761374641917486965477$$

$$R = 51.46779$$

$$P = x^{41} - 93x^{39} + 45x^{38} + 2644x^{37} - 2016x^{36} - 36067x^{35} + 32569x^{34} + 285221x^{33} - 275189x^{32} - 1439744 \times x^{31} + 1423233x^{30} + 4898563x^{29} - 4881806x^{28} - 11645491x^{27} + 11634542x^{26} + 19894933x^{25} - 19890241 \times x^{24} - 25003092x^{23} + 25001781x^{22} + 23555060x^{21} - 23554830x^{20} - 16867233x^{19} + 16867210x^{18} + 9261644 \times x^{17} - 9261643x^{16} - 3913260x^{15} + 3913260x^{14} + 1269446x^{13} - 1269446x^{12} - 313289x^{11} + 313289x^{10} + 57752 \times x^9 - 57752x^8 - 7699x^7 + 7699x^6 + 701x^5 - 701x^4 - 39x^3 + 39x^2 + x - 1$$

d = 41; r₁ = 35;

$$\text{Disc} = -708942546581146793140694381643303762280330504348128863487587511262758311$$

$$R = 56.55278$$

$$P = T_{41} - T_{37} - T_{34} - T_{33} + T_{29} + T_{26} + T_{25} - T_{21} - T_{18} - T_{17} + T_{13} + T_{12} + T_{11} + T_{10} + T_9 - T_5 - T_4 - T_3 - T_2 - T_1$$

d = 41; r₁ = 37;

$$\text{Disc} = 526914312037979666634176226562489545357977302571542472780773906116099109049$$

$$R = 66.44793$$

$$P = T_{41} + T_{40} + T_{36} - 2T_{34} - 2T_{33} - T_{32} - T_{30} - T_{29} + 2T_{27} + 3T_{26} + T_{25} + T_{24} - 2T_{20} - 2T_{19} - T_{18} + T_{17} + T_{16} + T_{13} + 2T_{12} - T_{11} - 2T_{10} - T_9 + T_7 - T_6 - T_5 + T_4 + 2T_3 + 2T_2 - 1$$

d = 41; r₁ = 39;

$$\text{Disc} = -1055495483596386591393653061861370383277903356005518701544018163603403329471551$$

$$R = 79.98548$$

$$P = T_{41} - 2T_{39} - T_{38} + 2T_{37} + T_{36} - T_{35} - T_{34} + T_{33} - T_{31} + 2T_{29} + T_{28} - 2T_{27} - 2T_{26} + T_{25} + 2 \times T_{24} - T_{23} - T_{22} + T_{21} + T_{20} - 2T_{19} - T_{18} + 2T_{17} + 2T_{16} - 2T_{15} - 2T_{14} + T_{13} + 3T_{12} - T_{11} - 3T_{10} + 3 \times T_8 - 2T_6 + 2T_4 - T_3 - 2T_2 + T_1 + 3$$

d = 41; r₁ = 41;

$$\text{Disc} = 41391664101273683774494941919403443044706888356871427072761007774409789110761$$

$$R = 73.91034$$

$$P = T_{41} + T_{40} - 3T_{39} - 4T_{38} + 3T_{37} + 7T_{36} - T_{35} - 8T_{34} - T_{33} + 7T_{32} + 2T_{31} - 5T_{30} - T_{29} + 5T_{28} - 7 \times T_{26} - T_{25} + 8T_{24} + 3T_{23} - 7T_{22} - 4T_{21} + 5T_{20} + 3T_{19} - 3T_{18} + 3T_{16} - 3T_{15} - 6T_{14} + 3T_{13} + 9T_{12} - 9 \times T_{10} - 3T_9 + 6T_8 + 3T_7 - 3T_6 + 3T_4 - 3T_3 - 6T_2 + 3T_1 + 9$$

d = 42; r₁ = 0;

Disc = -2032978540501244374780574032199557345218987793269623

R = 16.65798

$P = x^{42} + 4x^{41} + 10x^{40} + 20x^{39} + 35x^{38} + 57x^{37} + 89x^{36} + 133x^{35} + 189x^{34} + 258x^{33} + 340x^{32} + 435 \times x^{31} + 542x^{30} + 657x^{29} + 775x^{28} + 892x^{27} + 1004x^{26} + 1106x^{25} + 1192x^{24} + 1256x^{23} + 1295x^{22} + 1307 \times x^{21} + 1295x^{20} + 1256x^{19} + 1192x^{18} + 1106x^{17} + 1004x^{16} + 892x^{15} + 775x^{14} + 657x^{13} + 542x^{12} + 435 \times x^{11} + 340x^{10} + 258x^9 + 189x^8 + 133x^7 + 89x^6 + 57x^5 + 35x^4 + 20x^3 + 10x^2 + 4x + 1$

d = 42; r₁ = 2;

Disc = 17784333170230925829993062211426168938083247753188201

R = 17.54076

$P = x^{42} + 10x^{41} + 50x^{40} + 152x^{39} + 241x^{38} - 249x^{37} - 3141x^{36} - 12389x^{35} - 34092x^{34} - 74262x^{33} - 133842 \times x^{32} - 203097x^{31} - 260385x^{30} - 280176x^{29} - 249603x^{28} - 184072x^{27} - 127929x^{26} - 132930x^{25} - 223790 \times x^{24} - 374264x^{23} - 514850x^{22} - 572127x^{21} - 514850x^{20} - 374264x^{19} - 223790x^{18} - 132930x^{17} - 127929 \times x^{16} - 184072x^{15} - 249603x^{14} - 280176x^{13} - 260385x^{12} - 203097x^{11} - 133842x^{10} - 74262x^9 - 34092 \times x^8 - 12389x^7 - 3141x^6 - 249x^5 + 241x^4 + 152x^3 + 50x^2 + 10x + 1$

d = 42; r₁ = 4;

Disc = -188410225286906079786820050024240086101719066870348959

R = 18.55474

$P = x^{42} + 5x^{41} + 17x^{40} + 46x^{39} + 106x^{38} + 219x^{37} + 413x^{36} + 724x^{35} + 1192x^{34} + 1857x^{33} + 2754x^{32} + 3906 \times x^{31} + 5316x^{30} + 6963x^{29} + 8797x^{28} + 10739x^{27} + 12686x^{26} + 14518x^{25} + 16110x^{24} + 17345x^{23} + 18128 \times x^{22} + 18395x^{21} + 18128x^{20} + 17345x^{19} + 16110x^{18} + 14518x^{17} + 12686x^{16} + 10739x^{15} + 8797x^{14} + 6963 \times x^{13} + 5316x^{12} + 3906x^{11} + 2754x^{10} + 1857x^9 + 1192x^8 + 724x^7 + 413x^6 + 219x^5 + 106x^4 + 46x^3 + 17x^2 + 5x + 1$

d = 42; r₁ = 6;

Disc = 4171418263603157748718509042488521667683751650448835661

R = 19.97482

$P = x^{42} + 10x^{41} + 36x^{40} + 36x^{39} - 104x^{38} - 286x^{37} + x^{36} + 708x^{35} + 445x^{34} - 1016x^{33} - 961x^{32} + 1103 \times x^{31} + 1020x^{30} - 1249x^{29} - 495x^{28} + 1619x^{27} - 236x^{26} - 1944x^{25} + 790x^{24} + 1993x^{23} - 1056x^{22} - 1947 \times x^{21} + 1056x^{20} + 1993x^{19} - 790x^{18} - 1944x^{17} + 236x^{16} + 1619x^{15} + 495x^{14} - 1249x^{13} - 1020x^{12} + 1103 \times x^{11} + 961x^{10} - 1016x^9 - 445x^8 + 708x^7 - x^6 - 286x^5 + 104x^4 + 36x^3 - 36x^2 + 10x - 1$

d = 42; r₁ = 8;

Disc = -50148427329566324040498887359820131287589449107087119799

R = 21.19320

$P = x^{42} + 9x^{41} + 47x^{40} + 183x^{39} + 578x^{38} + 1563x^{37} + 3734x^{36} + 8050x^{35} + 15909x^{34} + 29134x^{33} + 49860 \times x^{32} + 80251x^{31} + 122083x^{30} + 176239x^{29} + 242181x^{28} + 317602x^{27} + 398283x^{26} + 478372x^{25} + 550978 \times x^{24} + 609108x^{23} + 646734x^{22} + 659753x^{21} + 646734x^{20} + 609108x^{19} + 550978x^{18} + 478372x^{17} + 398283 \times x^{16} + 317602x^{15} + 242181x^{14} + 176239x^{13} + 122083x^{12} + 80251x^{11} + 49860x^{10} + 29134x^9 + 15909x^8 + 8050 \times x^7 + 3734x^6 + 1563x^5 + 578x^4 + 183x^3 + 47x^2 + 9x + 1$

d = 42; r₁ = 10;

Disc = 5868507910572736092731964886279741201261614835154644027993

R = 23.73784

$P = x^{42} + 22x^{41} + 224x^{40} + 1398x^{39} + 5884x^{38} + 16731x^{37} + 26215x^{36} - 24598x^{35} - 332633x^{34} - 1348627 \times x^{33} - 3826373x^{32} - 8631629x^{31} - 16165823x^{30} - 25492645x^{29} - 33640343x^{28} - 35810808x^{27} - 26997635 \times x^{26} - 4692800x^{25} + 28640382x^{24} + 65045792x^{23} + 93450395x^{22} + 104194917x^{21} + 93450395x^{20} + 65045792 \times x^{19} + 28640382x^{18} - 4692800x^{17} - 26997635x^{16} - 35810808x^{15} - 33640343x^{14} - 25492645x^{13} - 16165823 \times x^{12} - 8631629x^{11} - 3826373x^{10} - 1348627x^9 - 332633x^8 - 24598x^7 + 26215x^6 + 16731x^5 + 5884x^4 + 1398 \times x^3 + 224x^2 + 22x + 1$

d = 42; r₁ = 12;

Disc = -21531134110220068853849513230712642836674757845364396095847

R = 24.48401

$P = x^{42} + 12x^{41} + 50x^{40} - x^{39} - 897x^{38} - 4220x^{37} - 8729x^{36} + 1656x^{35} + 71857x^{34} + 261301x^{33} + 565409 \times x^{32} + 795253x^{31} + 539732x^{30} - 640659x^{29} - 2795728x^{28} - 5207383x^{27} - 6435684x^{26} - 4985630x^{25} - 349634 \times x^{24} + 6247766x^{23} + 12112049x^{22} + 14460661x^{21} + 12112049x^{20} + 6247766x^{19} - 349634x^{18} - 4985630 \times x^{17} - 6435684x^{16} - 5207383x^{15} - 2795728x^{14} - 640659x^{13} + 539732x^{12} + 795253x^{11} + 565409x^{10} + 261301 \times x^9 + 71857x^8 + 1656x^7 - 8729x^6 - 4220x^5 - 897x^4 - x^3 + 50x^2 + 12x + 1$

d = 42; r₁ = 14;

Disc = 355235837067525925795571605654533881482464818953454608340281

$$R = 26.17396$$

$$P = x^{42} + 15x^{41} + 93x^{40} + 280x^{39} + 225x^{38} - 1277x^{37} - 4736x^{36} - 5328x^{35} + 7166x^{34} + 32194x^{33} + 38692 \times x^{32} - 15403x^{31} - 115531x^{30} - 155415x^{29} - 24076x^{28} + 237032x^{27} + 395400x^{26} + 218390x^{25} - 253542 \times x^{24} - 651020x^{23} - 569346x^{22} + 20585x^{21} + 667690x^{20} + 816680x^{19} + 332395x^{18} - 364417x^{17} - 700084 \times x^{16} - 473144x^{15} + 21681x^{14} + 343240x^{13} + 315812x^{12} + 96816x^{11} - 73883x^{10} - 104465x^9 - 54005x^8 - 5493 \times x^7 + 11763x^6 + 9614x^5 + 4120x^4 + 1130x^3 + 200x^2 + 21x + 1$$

$$\mathbf{d} = 42; \mathbf{r}_1 = 16;$$

$$\text{Disc} = -42557087351502942966920331119769382768532157827597992463858551$$

$$R = 29.33300$$

$$P = x^{42} + 13x^{41} + 46x^{40} - 82x^{39} - 817x^{38} - 677x^{37} + 5669x^{36} + 11902x^{35} - 18177x^{34} - 75495x^{33} + 3953 \times x^{32} + 276036x^{31} + 211028x^{30} - 625177x^{29} - 981497x^{28} + 779988x^{27} + 2525747x^{26} + 47020x^{25} - 4262103 \times x^{24} - 2406790x^{23} + 4646567x^{22} + 5389500x^{21} - 2559260x^{20} - 6684170x^{19} - 828420x^{18} + 5022202x^{17} + 2848576x^{16} - 1966114x^{15} - 2462040x^{14} - 49228x^{13} + 1070740x^{12} + 454620x^{11} - 183232x^{10} - 207519 \times x^9 - 33836x^8 + 32808x^7 + 18929x^6 + 2033x^5 - 1687x^4 - 850x^3 - 186x^2 - 21x - 1$$

$$\mathbf{d} = 42; \mathbf{r}_1 = 18;$$

$$\text{Disc} = 155450492836188672008671197890101696836342562927450378458165769$$

$$R = 30.25187$$

$$P = x^{42} - 36x^{40} + 72x^{39} + 351x^{38} - 1407x^{37} + 51x^{36} + 8241x^{35} - 14263x^{34} - 11419x^{33} + 69862x^{32} - 68153 \times x^{31} - 100573x^{30} + 313661x^{29} - 190171x^{28} - 405035x^{27} + 865536x^{26} - 350117x^{25} - 949719x^{24} + 1574865 \times x^{23} - 468306x^{22} - 1406108x^{21} + 1949888x^{20} - 491135x^{19} - 1346800x^{18} + 1652620x^{17} - 413044x^{16} - 821497 \times x^{15} + 942153x^{14} - 264495x^{13} - 297079x^{12} + 343724x^{11} - 116347x^{10} - 50439x^9 + 71350x^8 - 30282x^7 + 745 \times x^6 + 5833x^5 - 3401x^4 + 1050x^3 - 196x^2 + 21x - 1$$

$$\mathbf{d} = 42; \mathbf{r}_1 = 20;$$

$$\text{Disc} = -4433076932032361960419072391423557877593996776298366635382867831$$

$$R = 32.76406$$

$$P = x^{42} + 5x^{41} - 2x^{40} - 118x^{39} - 548x^{38} - 867x^{37} + 1691x^{36} + 10583x^{35} + 18704x^{34} - 2134x^{33} - 75926 \times x^{32} - 152944x^{31} - 84765x^{30} + 233959x^{29} + 623294x^{28} + 603686x^{27} - 162096x^{26} - 1307715x^{25} - 1808989x^{24} - 873542x^{23} + 1112443x^{22} + 2676760x^{21} + 2496909x^{20} + 613938x^{19} - 1591136x^{18} - 2606868x^{17} - 1982259 \times x^{16} - 463180x^{15} + 827557x^{14} + 1264596x^{13} + 955084x^{12} + 382112x^{11} - 52890x^{10} - 224774x^9 - 209883 \times x^8 - 130185x^7 - 61012x^6 - 22306x^5 - 6348x^4 - 1370x^3 - 212x^2 - 21x - 1$$

$$\mathbf{d} = 42; \mathbf{r}_1 = 22;$$

$$\text{Disc} = 47263632063426362280687604692807790370897810088437654529660013561$$

$$R = 34.66328$$

$$P = x^{42} + 14x^{41} + 37x^{40} - 290x^{39} - 1402x^{38} + 2386x^{37} + 18167x^{36} - 11738x^{35} - 131409x^{34} + 60403x^{33} + 603792x^{32} - 368400x^{31} - 1811237x^{30} + 1704291x^{29} + 3400636x^{28} - 5086370x^{27} - 3171244x^{26} + 9625118 \times x^{25} - 1388847x^{24} - 11047962x^{23} + 8478499x^{22} + 5943374x^{21} - 11663113x^{20} + 2216648x^{19} + 7721231x^{18} - 6242266x^{17} - 1303337x^{16} + 4416240x^{15} - 1780447x^{14} - 1146412x^{13} + 1363440x^{12} - 253492x^{11} - 333902 \times x^{10} + 231200x^9 - 20046x^8 - 41316x^7 + 21042x^6 - 2299x^5 - 1673x^4 + 850x^3 - 186x^2 + 21x - 1$$

$$\mathbf{d} = 42; \mathbf{r}_1 = 24;$$

$$\text{Disc} = -2801909086175526841377094385316954508626765319274475683461313927891$$

$$R = 38.20166$$

$$P = x^{42} + 7x^{41} + 5x^{40} - 47x^{39} - 38x^{38} + 107x^{37} - 831x^{36} - 3358x^{35} + 1537x^{34} + 26329x^{33} + 40338 \times x^{32} - 44135x^{31} - 216416x^{30} - 188722x^{29} + 317735x^{28} + 874957x^{27} + 434785x^{26} - 1135156x^{25} - 2031701 \times x^{24} - 456200x^{23} + 2345992x^{22} + 2865010x^{21} - 1525x^{20} - 2952445x^{19} - 2486915x^{18} + 498791x^{17} + 2280722 \times x^{16} + 1317379x^{15} - 498444x^{14} - 1060841x^{13} - 422891x^{12} + 210924x^{11} + 285323x^{10} + 86105x^9 - 38262 \times x^8 - 41292x^7 - 12136x^6 + 1615x^5 + 2529x^4 + 950x^3 + 191x^2 + 21x + 1$$

$$\mathbf{d} = 42; \mathbf{r}_1 = 26;$$

$$\text{Disc} = 5909043522852377802451059175598889090338740682285775347662679179264$$

$$R = 38.88643$$

$$P = T_{42} + 2T_{38} + T_{36} + 2T_{34} + T_{30} - T_{28} - 2T_{26} - T_{24} - T_{22} + 2T_{18} + 3T_{16} + 3T_{14} + 2T_{12} + 2T_{10} - T_8 - 3T_6 - T_4 - 4T_2$$

$$\mathbf{d} = 42; \mathbf{r}_1 = 28;$$

$$\text{Disc} = -21795482248872632266717535023310030650341543446875638925861086979027$$

$$R = 40.11386$$

$$P = T_{42} + T_{36} - T_{23} + T_{22} + T_{18} - T_{17} + T_{16} + T_{12} - 1$$

$$\mathbf{d} = 42; \mathbf{r}_1 = 30;$$

$$\text{Disc} = 1547966139828255152720926974514900817096338668650560167400774832226304$$

$$R = 44.39921$$

$$P = T_{42} + 2T_{40} + 2T_{38} + 2T_{36} + 3T_{34} + 4T_{32} + 4T_{30} + 4T_{28} + 4T_{26} + 4T_{24} + 4T_{22} + 4T_{20} + 4T_{18} + 3T_{16} + 3 \times T_{14} + 3T_{12} + 3T_{10} + 2T_8 + 2T_6 + 2T_4 + T_2$$

$$\mathbf{d} = \mathbf{42}; \mathbf{r}_1 = \mathbf{32};$$

$$\text{Disc} = -22055088699679990920326511634332721169431581205182257876832422066274987$$

$$R = 47.29829$$

$$P = T_{42} + T_{41} + T_{39} + T_{38} + T_{36} + 2T_{35} + T_{34} + T_{33} + 2T_{32} + T_{31} - T_{30} + T_{28} - T_{27} + T_{25} - 3T_{24} - 4 \times T_{23} - T_{22} - 4T_{21} - 4T_{20} + T_{19} - 2T_{18} - 5T_{17} - T_{16} - 2T_{15} - 5T_{14} + T_{13} + 3T_{12} - T_{11} + 2T_{10} + 3T_9 - 2 \times T_8 + T_7 + 5T_6 + 2T_5 + 3T_4 + 5T_3 - 2T_1 + 2$$

$$\mathbf{d} = \mathbf{42}; \mathbf{r}_1 = \mathbf{34};$$

$$\text{Disc} = 231362633114241139455311957870894617972470933146190581067704975484780544$$

$$R = 50.02071$$

$$P = T_{42} + 2T_{38} + T_{36} + 3T_{34} + 2T_{32} + 4T_{30} + 3T_{28} + 4T_{26} + 4T_{24} + 5T_{22} + 5T_{20} + 5T_{18} + 5T_{16} + 5T_{14} + 5 \times T_{12} + 4T_{10} + 4T_8 + 2T_6 + 3T_4 + 2$$

$$\mathbf{d} = \mathbf{42}; \mathbf{r}_1 = \mathbf{36};$$

$$\text{Disc} = -40739039817556765630984223416494260372952411831205821762188038654746689536$$

$$R = 56.57432$$

$$P = T_{42} + T_{40} + 2T_{38} + 3T_{36} + 3T_{34} + 4T_{32} + 3T_{30} + 2T_{28} + 2T_{26} + T_{24} + T_{22} + 2T_{20} + T_{18} + T_{16} - 2 \times T_{12} - 2T_{10} - 2T_8 - 2T_6$$

$$\mathbf{d} = \mathbf{42}; \mathbf{r}_1 = \mathbf{38};$$

$$\text{Disc} = 239033726354523227399254563146581531905288732561593206317325374383900852224$$

$$R = 59.00865$$

$$P = T_{42} - T_{38} - T_{32} + T_{28} - T_{24} + T_{20} + T_{18} - T_{14} - T_{12} + T_8 + T_6 - T_2 - 1$$

$$\mathbf{d} = \mathbf{42}; \mathbf{r}_1 = \mathbf{40};$$

$$\text{Disc} = -24196264577253154863475734918335812155243013991126881365224241363616201179136$$

$$R = 65.86591$$

$$P = T_{42} - T_{40} - T_{38} - T_{36} + 2T_{34} + 2T_{32} - 3T_{28} - 2T_{26} + 2T_{24} + 3T_{22} + T_{20} - 3T_{18} - 2T_{16} + 3T_{12} + T_{10} - T_8 - 2 \times T_6 + T_2 + 1$$

$$\mathbf{d} = \mathbf{42}; \mathbf{r}_1 = \mathbf{42};$$

$$\text{Disc} = 1236219045653317330764639083558080790009887216550178193020957667462329030021$$

$$R = 61.36306$$

$$P = T_{42} - T_{40} - T_{35} + T_{33} + T_{21} - T_{19} - T_{14} + T_{12} + 1$$

d = 43; r₁ = 1;

$$\text{Disc} = -323353539243413174381954220701021133032963671613061832631$$

$$R = 20.61477$$

$$P = x^{43} + 3x^{42} - 10x^{41} - 35x^{40} + 52x^{39} + 206x^{38} - 192x^{37} - 815x^{36} + 568x^{35} + 2419x^{34} - 1426x^{33} - 5701 \times x^{32} + 3103x^{31} + 11005x^{30} - 5910x^{29} - 17732x^{28} + 9894x^{27} + 24114x^{26} - 14589x^{25} - 27812x^{24} + 18963 \times x^{23} + 27146x^{22} - 21733x^{21} - 22156x^{20} + 21925x^{19} + 14662x^{18} - 19358x^{17} - 7234x^{16} + 14782x^{15} + 1849 \times x^{14} - 9566x^{13} + 863x^{12} + 5073x^{11} - 1475x^{10} - 2077x^9 + 1057x^8 + 576x^7 - 484x^6 - 63x^5 + 138x^4 - 21 \times x^3 - 18x^2 + 8x - 1$$

d = 43; r₁ = 3;

$$\text{Disc} = 10907269986015107093067697026213660430277028730743042414977$$

$$R = 22.37249$$

$$P = x^{43} + 7x^{42} + 28x^{41} + 84x^{40} + 210x^{39} + 462x^{38} + 920x^{37} + 1689x^{36} + 2895x^{35} + 4676x^{34} + 7164 \times x^{33} + 10465x^{32} + 14635x^{31} + 19656x^{30} + 25417x^{29} + 31707x^{28} + 38223x^{27} + 44583x^{26} + 50367x^{25} + 55155 \times x^{24} + 58578x^{23} + 60361x^{22} + 60357x^{21} + 58567x^{20} + 55138x^{19} + 50346x^{18} + 44561x^{17} + 38201x^{16} + 31689 \times x^{15} + 25402x^{14} + 19645x^{13} + 14628x^{12} + 10461x^{11} + 7162x^{10} + 4675x^9 + 2895x^8 + 1689x^7 + 920x^6 + 462 \times x^5 + 210x^4 + 84x^3 + 28x^2 + 7x + 1$$

d = 43; r₁ = 5;

$$\text{Disc} = -7804711425423507426219243305321119862441044103575814193536419$$

$$R = 26.06762$$

$$P = x^{43} + 2x^{42} - 14x^{41} - 41x^{40} + 67x^{39} + 351x^{38} + 22x^{37} - 1615x^{36} - 1759x^{35} + 3951x^{34} + 9350x^{33} - 2222 \times x^{32} - 25549x^{31} - 17849x^{30} + 36986x^{29} + 65013x^{28} - 8774x^{27} - 108480x^{26} - 74652x^{25} + 82448x^{24} + 153237 \times x^{23} + 27554x^{22} - 132697x^{21} - 125716x^{20} + 17558x^{19} + 111555x^{18} + 71903x^{17} - 20612x^{16} - 61483x^{15} - 34774 \times x^{14} + 8304x^{13} + 24589x^{12} + 13712x^{11} - 1501x^{10} - 6611x^9 - 3716x^8 - 119x^7 + 1030x^6 + 607x^5 + 80 \times x^4 - 78x^3 - 47x^2 - 11x - 1$$

d = 43; r₁ = 7;

$$\text{Disc} = 6349128537663015887062204134326027177548974201232408002996981$$

$$R = 25.94279$$

$$P = x^{43} + 7x^{42} + 14x^{41} - 11x^{40} - 78x^{39} - 86x^{38} + 38x^{37} + 164x^{36} + 181x^{35} + 85x^{34} - 204x^{33} - 447 \times x^{32} - 111x^{31} + 469x^{30} + 434x^{29} - 65x^{28} - 695x^{27} - 874x^{26} + 1053x^{25} + 2309x^{24} - 1452x^{23} - 3400 \times x^{22} + 1633x^{21} + 3280x^{20} - 1381x^{19} - 2231x^{18} + 946x^{17} + 1074x^{16} - 782x^{15} - 37x^{14} + 618x^{13} - 689 \times x^{12} - 23x^{11} + 565x^{10} - 402x^9 + 61x^8 + 150x^7 - 228x^6 + 136x^5 + 14x^4 - 67x^3 + 39x^2 - 10x + 1$$

d = 43; r₁ = 9;

$$\text{Disc} = -17259005526517556382838472162026067845582370285916661712528947$$

$$R = 26.55319$$

$$P = x^{43} + x^{42} - 14x^{41} - 14x^{40} + 100x^{39} + 91x^{38} - 481x^{37} - 340x^{36} + 1703x^{35} + 713x^{34} - 4518x^{33} - 418 \times x^{32} + 8692x^{31} - 1813x^{30} - 10745x^{29} + 3376x^{28} + 6263x^{27} + 8763x^{26} - 6271x^{25} - 45217x^{24} + 49652 \times x^{23} + 68368x^{22} - 152181x^{21} + 8079x^{20} + 219093x^{19} - 184210x^{18} - 116306x^{17} + 284285x^{16} - 99107 \times x^{15} - 172436x^{14} + 196795x^{13} - 16413x^{12} - 108262x^{11} + 78980x^{10} + 553x^9 - 32461x^8 + 19601x^7 - 2077 \times x^6 - 3672x^5 + 2567x^4 - 876x^3 + 176x^2 - 20x + 1$$

d = 43; r₁ = 11;

$$\text{Disc} = 27552555076707620248120401601664492743955025389558158051642789$$

$$R = 26.84361$$

$$P = T_{43} + 7T_{41} - T_{40} + 26T_{39} - 6T_{38} + 72T_{37} - 20T_{36} + 168T_{35} - 52T_{34} + 346T_{33} - 116T_{32} + 646T_{31} - 230 \times T_{30} + 1113T_{29} - 416T_{28} + 1789T_{27} - 695T_{26} + 2702T_{25} - 1081T_{24} + 3855T_{23} - 1578T_{22} + 5216T_{21} - 2172 \times T_{20} + 6708T_{19} - 2825T_{18} + 8208T_{17} - 3478T_{16} + 9557T_{15} - 4054T_{14} + 10573T_{13} - 4464T_{12} + 11075T_{11} - 4624 \times T_{10} + 10916T_9 - 4470T_8 + 10007T_7 - 3968T_6 + 8337T_5 - 3127T_4 + 5989T_3 - 2003T_2 + 3132T_1 - 691$$

d = 43; r₁ = 13;

$$\text{Disc} = -485466760444059726534397628172640162982284028369406833216307751$$

$$R = 28.69576$$

$$P = x^{43} - 48x^{41} - 48x^{40} + 988x^{39} + 2104x^{38} - 11262x^{37} - 38988x^{36} + 56686x^{35} + 376154x^{34} + 87338 \times x^{33} - 1845554x^{32} - 2041085x^{31} + 5023364x^{30} + 9480854x^{29} - 7607181x^{28} - 24415581x^{27} + 4398918 \times x^{26} + 41179401x^{25} + 6462787x^{24} - 48621853x^{23} - 18761527x^{22} + 41417199x^{21} + 23862879x^{20} - 25626623 \times x^{19} - 19819979x^{18} + 11296494x^{17} + 11741963x^{16} - 3289929x^{15} - 5105028x^{14} + 449727x^{13} + 1633411 \times x^{12} + 86962x^{11} - 378095x^{10} - 63800x^9 + 60612x^8 + 16878x^7 - 6088x^6 - 2541x^5 + 278x^4 + 215x^3 + 7x^2 - 8x - 1$$

d = 43; r₁ = 15;

$$\text{Disc} = 176389239534727888033130757909526171110702370658697130294679060909$$

$$R = 31.19637$$

$$P = x^{43} - 48x^{41} - 16x^{40} + 732x^{39} + 184x^{38} - 5038x^{37} - 3188x^{36} + 29062x^{35} + 34306x^{34} - 159170 \times x^{33} - 219582x^{32} + 687373x^{31} + 924224x^{30} - 2156472x^{29} - 2715379x^{28} + 4941941x^{27} + 5776624x^{26} - 8473071 \times x^{25} - 9116129x^{24} + 11122811x^{23} + 10852131x^{22} - 11389767x^{21} - 9854437x^{20} + 9219276x^{19} + 6864937 \times x^{18} - 5942334x^{17} - 3666724x^{16} + 3053252x^{15} + 1488446x^{14} - 1243555x^{13} - 449482x^{12} + 396229x^{11} + 96507 \times x^{10} - 96559x^9 - 13221x^8 + 17353x^7 + 745x^6 - 2164x^5 + 83x^4 + 167x^3 - 18x^2 - 6x + 1$$

$$\mathbf{d} = 43; \mathbf{r}_1 = 17;$$

$$\text{Disc} = -131703410952731558104220968208780371792594409627579280253003149883$$

$$R = 32.68957$$

$$P = x^{43} + 4x^{42} - 50x^{41} - 184x^{40} + 569x^{39} + 2252x^{38} - 6846x^{37} - 24877x^{36} + 43544x^{35} + 171767 \times x^{34} - 176888x^{33} - 839732x^{32} + 423044x^{31} + 2975133x^{30} - 449404x^{29} - 7979707x^{28} - 1102156x^{27} + 16008417 \times x^{26} + 6400436x^{25} - 23181598x^{24} - 15028857x^{23} + 23479552x^{22} + 21660262x^{21} - 15902058x^{20} - 21088592 \times x^{19} + 6263844x^{18} + 14403310x^{17} - 331945x^{16} - 6975244x^{15} - 1236872x^{14} + 2362584x^{13} + 838641x^{12} - 530240x^{11} - 301590x^{10} + 65798x^9 + 67605x^8 - 83x^7 - 9314x^6 - 1372x^5 + 682x^4 + 200x^3 - 12x^2 - 10x - 1$$

$$\mathbf{d} = 43; \mathbf{r}_1 = 19;$$

$$\text{Disc} = 3007342769728808723443430623852451776594845151970229728805416600041$$

$$R = 35.15639$$

$$P = T_{43} + 5T_{41} + T_{40} + 15T_{39} + 5T_{38} + 35T_{37} + 15T_{36} + 70T_{35} + 34T_{34} + 126T_{33} + 65T_{32} + 209T_{31} + 110 \times T_{30} + 323T_{29} + 172T_{28} + 470T_{27} + 252T_{26} + 649T_{25} + 349T_{24} + 854T_{23} + 459T_{22} + 1074T_{21} + 575T_{20} + 1293 \times T_{19} + 687T_{18} + 1491T_{17} + 785T_{16} + 1647T_{15} + 856T_{14} + 1739T_{13} + 889T_{12} + 1750T_{11} + 876T_{10} + 1668 \times T_9 + 813T_8 + 1488T_7 + 699T_6 + 1214T_5 + 539T_4 + 859T_3 + 340T_2 + 445T_1 + 116$$

$$\mathbf{d} = 43; \mathbf{r}_1 = 21;$$

$$\text{Disc} = -6304101804555520309248748353353661869172089890140981710305263088087$$

$$R = 35.76676$$

$$P = T_{43} + 4T_{41} + 10T_{39} - T_{38} + 20T_{37} - 3T_{36} + 35T_{35} - 6T_{34} + 56T_{33} - 10T_{32} + 84T_{31} - 15T_{30} + 119 \times T_{29} - 21T_{28} + 161T_{27} - 28T_{26} + 209T_{25} - 36T_{24} + 260T_{23} - 44T_{22} + 311T_{21} - 52T_{20} + 358T_{19} - 59T_{18} + 397 \times T_{17} - 65T_{16} + 424T_{15} - 68T_{14} + 435T_{13} - 69T_{12} + 427T_{11} - 66T_{10} + 399T_9 - 60T_8 + 350T_7 - 51T_6 + 282 \times T_5 - 39T_4 + 198T_3 - 25T_2 + 102T_1 - 9$$

$$\mathbf{d} = 43; \mathbf{r}_1 = 23;$$

$$\text{Disc} = 54138351244105405680453585456884132999753284299111860836897811728321$$

$$R = 37.60086$$

$$P = T_{43} + 2T_{41} + 3T_{39} + 4T_{37} + 6T_{35} + 8T_{33} + 10T_{31} + 12T_{29} + 14T_{27} + 16T_{25} + 18T_{23} + 19T_{21} + 20 \times T_{19} + 21T_{17} + 21T_{15} + 20T_{13} + T_{12} + 19T_{11} + 17T_9 + 15T_7 + 12T_5 + 8T_3 + 4T_1$$

$$\mathbf{d} = 43; \mathbf{r}_1 = 25;$$

$$\text{Disc} = -304496163265384214891424666877804142567285725877860754786588607973663$$

$$R = 39.14186$$

$$P = T_{43} + 4T_{41} + 9T_{39} + 16T_{37} + 25T_{35} + 36T_{33} + 49T_{31} + 64T_{29} + 81T_{27} + 99T_{25} - T_{24} + 117T_{23} - 2 \times T_{22} + 134T_{21} - 3T_{20} + 148T_{19} - 4T_{18} + 158T_{17} - 4T_{16} + 163T_{15} - 4T_{14} + 162T_{13} - 4T_{12} + 155T_{11} - 4 \times T_{10} + 142T_9 - 4T_8 + 123T_7 - 5T_6 + 98T_5 - 4T_4 + 68T_3 - 3T_2 + 35T_1 - 1$$

$$\mathbf{d} = 43; \mathbf{r}_1 = 27;$$

$$\text{Disc} = 98337895706469701657145342675102229443793452478752671884360161320122936$$

$$R = 44.77066$$

$$P = T_{43} + 2T_{41} + 3T_{39} + 5T_{37} + T_{36} + 7T_{35} + T_{34} + 9T_{33} + T_{32} + 11T_{31} + T_{30} + 13T_{29} + T_{28} + 15T_{27} + 17 \times T_{25} + 18T_{23} + 19T_{21} + 20T_{19} + 21T_{17} + 21T_{15} + 21T_{13} + 19T_{11} + 17T_9 + 15T_7 + 12T_5 + 8T_3 + 4T_1$$

$$\mathbf{d} = 43; \mathbf{r}_1 = 29;$$

$$\text{Disc} = -380062619046811175565099482078945039917252160851175998864500567162001223$$

$$R = 46.20062$$

$$P = T_{43} + 2T_{42} + 2T_{41} + 2T_{40} + 2T_{39} + 3T_{38} + 4T_{37} + 3T_{36} + 2T_{35} + 2T_{34} + 2T_{33} + 2T_{32} + T_{31} + T_{29} + T_{28} + T_{24} + T_{23} - T_{22} - 2T_{21} - 2T_{20} - 2T_{19} - 2T_{18} - 3T_{17} - 3T_{16} - T_{15} - T_{14} - T_{13} + T_{10} + T_9 + T_7 + T_6 - T_3 - T_2 - 1$$

$$\mathbf{d} = 43; \mathbf{r}_1 = 31;$$

$$\text{Disc} = 3023729382494170459490692179880763706579900810105726811311898925548986977$$

$$R = 48.48351$$

$$P = T_{43} + 2T_{39} + T_{37} + 3T_{35} + T_{33} + 4T_{31} + T_{29} + 5T_{27} + T_{25} + 6T_{23} + T_{21} + 6T_{19} + T_{17} + 6T_{15} + T_{13} + 5 \times T_{11} + T_9 + 4T_7 + T_5 + 2T_3 + 1$$

$$\mathbf{d} = 43; \mathbf{r}_1 = 33;$$

$$\begin{aligned}\text{Disc} &= -242715590110621083482039387632231860056855576645138641744057162449002164943 \\ R &= 53.68908 \\ P &= T_{43} + T_{40} - T_{38} + T_{37} - T_{35} + 2T_{34} + T_{33} + 2T_{31} + T_{30} - T_{29} + T_{28} - T_{26} + T_{25} + T_{24} + 2 \times \\ &T_{22} + T_{21} + T_{19} + T_{18} - T_{17} + T_{16} + T_{15} + T_{13} + 2T_{12} + T_9 - T_7 + T_6 + T_3 + T_2 + 1\end{aligned}$$

d = 43; r₁ = 35;

$$\begin{aligned}\text{Disc} &= 8363763035524222542826627684424499868822149095525433594044565564304878008981 \\ R &= 58.29580 \\ P &= T_{43} + T_{42} - T_{38} - 2T_{37} - T_{36} + T_{33} + 2T_{32} + T_{31} - T_{28} - 2T_{27} - T_{26} + T_{22} + T_{21} - T_{17} - T_{16} + T_{12} + \\ &T_{11} - T_9 - T_8 - T_7 - T_6 + T_4 + T_3 + T_2 + T_1 + 1\end{aligned}$$

d = 43; r₁ = 37;

$$\begin{aligned}\text{Disc} &= -647141253265445585326990962487044660223755653306339142323129768587316442702523 \\ R &= 64.49976 \\ P &= T_{43} - 2T_{41} + 3T_{39} + T_{38} - 4T_{37} - 2T_{36} + 5T_{35} + 2T_{34} - 5T_{33} - 2T_{32} + 5T_{31} + 2T_{30} - 4T_{29} - T_{28} + 3 \times \\ &T_{27} - 2T_{25} + T_{24} + 2T_{23} - 2T_{22} - 2T_{21} + 3T_{20} + 3T_{19} - 3T_{18} - 4T_{17} + 3T_{16} + 4T_{15} - 3T_{14} - 3T_{13} + 3 \times \\ &T_{12} + 2T_{11} - 3T_{10} + 4T_8 - 2T_7 - 5T_6 + 3T_5 + 6T_4 - 3T_3 - 7T_2 + 2T_1 + 8\end{aligned}$$

d = 43; r₁ = 39;

$$\begin{aligned}\text{Disc} &= 22139253103743342920816893686852814592450214244194341925768475278570818918967601 \\ R &= 70.02230 \\ P &= T_{43} + T_{41} - T_{40} - T_{39} - 4T_{37} + 3T_{36} - 4T_{35} + 4T_{34} + T_{33} - T_{32} + 7T_{31} - 7T_{30} + 8T_{29} - 6T_{28} - T_{27} + 4 \times \\ &T_{26} - 13T_{25} + 13T_{24} - 14T_{23} + 9T_{22} + 2T_{21} - 7T_{20} + 20T_{19} - 20T_{18} + 19T_{17} - 14T_{16} - T_{15} + 7T_{14} - 19 \times \\ &T_{13} + 19T_{12} - 15T_{11} + 8T_{10} + 6T_9 - 12T_8 + 21T_7 - 17T_6 + 13T_5 - 4T_4 - 8T_3 + 9T_2 - 15T_1 + 6\end{aligned}$$

d = 43; r₁ = 41;

$$\begin{aligned}\text{Disc} &= -5429750566261662799186856978110866694172622795020811175729175659710535612109993323 \\ R &= 79.58090 \\ P &= T_{43} + T_{42} - T_{41} - T_{40} - T_{34} - T_{33} + T_{32} - T_{30} + T_{25} + T_{24} - T_{23} + T_{21} + T_{19} + T_{18} - T_{16} - T_{15} + T_{14} + \\ &T_{11} - T_{10} - T_9 + T_7 + T_6 - T_5 - T_2 + T_1 + 1\end{aligned}$$

d = 43; r₁ = 43;

$$\begin{aligned}\text{Disc} &= 2718642480028009119630496986766089842694689176728868444412575220424449810999457921749 \\ R &= 91.95801 \\ P &= T_{43} + T_{42} + T_{40} + T_{39} + T_{38} + T_{36} - T_{31} - T_{30} - T_{28} - T_{27} - T_{26} - T_{24} + T_{19} + T_{18} + T_{16} + T_{15} + T_{12} - \\ &T_{10} - T_7 - T_6 - T_4 - T_3 - 1\end{aligned}$$

d = 44; r₁ = 0;

Disc = 930986673780475286678748534156999627425434622786529241

R = 16.84872

$P = x^{44} + 7x^{43} + 31x^{42} + 105x^{41} + 296x^{40} + 726x^{39} + 1593x^{38} + 3185x^{37} + 5880x^{36} + 10125x^{35} + 16391 \times x^{34} + 25105x^{33} + 36570x^{32} + 50881x^{31} + 67858x^{30} + 87003x^{29} + 107494x^{28} + 128222x^{27} + 147875x^{26} + 165061 \times x^{25} + 178460x^{24} + 186982x^{23} + 189907x^{22} + 186982x^{21} + 178460x^{20} + 165061x^{19} + 147875x^{18} + 128222 \times x^{17} + 107494x^{16} + 87003x^{15} + 67858x^{14} + 50881x^{13} + 36570x^{12} + 25105x^{11} + 16391x^{10} + 10125x^9 + 5880 \times x^8 + 3185x^7 + 1593x^6 + 726x^5 + 296x^4 + 105x^3 + 31x^2 + 7x + 1$

d = 44; r₁ = 2;

Disc = -35817911298973024247058494760016517690521184530027927079

R = 18.30599

$P = x^{44} + 11x^{43} + 64x^{42} + 266x^{41} + 889x^{40} + 2534x^{39} + 6374x^{38} + 14464x^{37} + 30062x^{36} + 57857x^{35} + 103960 \times x^{34} + 175505x^{33} + 279753x^{32} + 422703x^{31} + 607368x^{30} + 832033x^{29} + 1088947x^{28} + 1363891x^{27} + 1636970 \times x^{26} + 1884702x^{25} + 2083168x^{24} + 2211674x^{23} + 2256167x^{22} + 2211674x^{21} + 2083168x^{20} + 1884702 \times x^{19} + 1636970x^{18} + 1363891x^{17} + 1088947x^{16} + 832033x^{15} + 607368x^{14} + 422703x^{13} + 279753x^{12} + 175505 \times x^{11} + 103960x^{10} + 57857x^9 + 30062x^8 + 14464x^7 + 6374x^6 + 2534x^5 + 889x^4 + 266x^3 + 64x^2 + 11x + 1$

d = 44; r₁ = 4;

Disc = 238541110968798605312069840493156431456470475032471439429

R = 19.11209

$P = x^{44} + 6x^{43} + 23x^{42} + 59x^{41} + 109x^{40} + 136x^{39} + 66x^{38} - 153x^{37} - 495x^{36} - 751x^{35} - 632x^{34} + 50 \times x^{33} + 1149x^{32} + 2029x^{31} + 1982x^{30} + 573x^{29} - 1754x^{28} - 3792x^{27} - 4222x^{26} - 2389x^{25} + 1016x^{24} + 4255 \times x^{23} + 5619x^{22} + 4255x^{21} + 1016x^{20} - 2389x^{19} - 4222x^{18} - 3792x^{17} - 1754x^{16} + 573x^{15} + 1982x^{14} + 2029 \times x^{13} + 1149x^{12} + 50x^{11} - 632x^{10} - 751x^9 - 495x^8 - 153x^7 + 66x^6 + 136x^5 + 109x^4 + 59x^3 + 23x^2 + 6x + 1$

d = 44; r₁ = 6;

Disc = -6629390325343066051313866740864702037674893995937472465199

R = 20.61220

$P = x^{44} + 22x^{43} + 238x^{42} + 1688x^{41} + 8820x^{40} + 36165x^{39} + 121052x^{38} + 339792x^{37} + 815574x^{36} + 1698403 \times x^{35} + 3102331x^{34} + 5009256x^{33} + 7180498x^{32} + 9132010x^{31} + 10209372x^{30} + 9754315x^{29} + 7314021 \times x^{28} + 2828420x^{27} - 3263022x^{26} - 10037917x^{25} - 16252042x^{24} - 20628864x^{23} - 22207105x^{22} - 20628864 \times x^{21} - 16252042x^{20} - 10037917x^{19} - 3263022x^{18} + 2828420x^{17} + 7314021x^{16} + 9754315x^{15} + 10209372 \times x^{14} + 9132010x^{13} + 7180498x^{12} + 5009256x^{11} + 3102331x^{10} + 1698403x^9 + 815574x^8 + 339792x^7 + 121052 \times x^6 + 36165x^5 + 8820x^4 + 1688x^3 + 238x^2 + 22x + 1$

d = 44; r₁ = 8;

Disc = 351139195724836004723814028287391713230303462414846671172101

R = 22.55830

$P = x^{44} + x^{43} - 14x^{42} - 19x^{41} + 46x^{40} + 158x^{39} + 86x^{38} - 438x^{37} - 941x^{36} - 274x^{35} + 1878x^{34} + 3413 \times x^{33} + 1122x^{32} - 4480x^{31} - 7759x^{30} - 3394x^{29} + 5872x^{28} + 10439x^{27} + 5144x^{26} - 3851x^{25} - 6452x^{24} - 1540 \times x^{23} + 1915x^{22} - 1540x^{21} - 6452x^{20} - 3851x^{19} + 5144x^{18} + 10439x^{17} + 5872x^{16} - 3394x^{15} - 7759x^{14} - 4480 \times x^{13} + 1122x^{12} + 3413x^{11} + 1878x^{10} - 274x^9 - 941x^8 - 438x^7 + 86x^6 + 158x^5 + 46x^4 - 19x^3 - 14x^2 + x + 1$

d = 44; r₁ = 10;

Disc = -2203993648069182366672548388972376302333813275632513327422683

R = 23.51996

$P = x^{44} + 22x^{43} + 228x^{42} + 1503x^{41} + 7154x^{40} + 26346x^{39} + 78205x^{38} + 191606x^{37} + 391521x^{36} + 664497 \times x^{35} + 910060x^{34} + 910082x^{33} + 367024x^{32} - 953332x^{31} - 3003338x^{30} - 5275680x^{29} - 6827364x^{28} - 6601270 \times x^{27} - 3965534x^{26} + 797979x^{25} + 6381177x^{24} + 10877274x^{23} + 12599785x^{22} + 10877274x^{21} + 6381177 \times x^{20} + 797979x^{19} - 3965534x^{18} - 6601270x^{17} - 6827364x^{16} - 5275680x^{15} - 3003338x^{14} - 953332x^{13} + 367024 \times x^{12} + 910082x^{11} + 910060x^{10} + 664497x^9 + 391521x^8 + 191606x^7 + 78205x^6 + 26346x^5 + 7154x^4 + 1503 \times x^3 + 228x^2 + 22x + 1$

d = 44; r₁ = 12;

Disc = 32585744733586300085090897072153376180186830762060563211092081

R = 25.00480

$P = x^{44} + 5x^{43} - 63x^{42} - 761x^{41} - 3518x^{40} - 7789x^{39} - 16x^{38} + 59216x^{37} + 214015x^{36} + 405440 \times x^{35} + 287448x^{34} - 850320x^{33} - 3706393x^{32} - 7911036x^{31} - 10661142x^{30} - 6243112x^{29} + 12108441x^{28} + 47680316x^{27} + 95025648x^{26} + 137785443x^{25} + 152793795x^{24} + 120116185x^{23} + 34221868x^{22} - 90404774 \times x^{21} - 223288247x^{20} - 330012608x^{19} - 385888847x^{18} - 384216560x^{17} - 335811625x^{16} - 261582918x^{15} -$

$$183071700x^{14} - 115585864x^{13} - 65931721x^{12} - 33958928x^{11} - 15757189x^{10} - 6559817x^9 - 2435277 \times x^8 - 799349x^7 - 229258x^6 - 56514x^5 - 11694x^4 - 1960x^3 - 251x^2 - 22x - 1$$

d = 44; r₁ = 14;

$$\text{Disc} = -1559422772221951485953929587292354623161350076003633463340613243$$

$$R = 27.30258$$

$$P = x^{44} + 20x^{43} + 202x^{42} + 1369x^{41} + 6991x^{40} + 28647x^{39} + 97894x^{38} + 286073x^{37} + 726997x^{36} + 1624287 \times x^{35} + 3210066x^{34} + 5618674x^{33} + 8666500x^{32} + 11595273x^{31} + 12919885x^{30} + 10566482x^{29} + 2425997x^{28} - 12741495x^{27} - 34368160x^{26} - 59586561x^{25} - 83592571x^{24} - 100924940x^{23} - 107251945x^{22} - 100924940 \times x^{21} - 83592571x^{20} - 59586561x^{19} - 34368160x^{18} - 12741495x^{17} + 2425997x^{16} + 10566482x^{15} + 12919885 \times x^{14} + 11595273x^{13} + 8666500x^{12} + 5618674x^{11} + 3210066x^{10} + 1624287x^9 + 726997x^8 + 286073x^7 + 97894 \times x^6 + 28647x^5 + 6991x^4 + 1369x^3 + 202x^2 + 20x + 1$$

d = 44; r₁ = 16;

$$\text{Disc} = 9167126244896988212305372429076061621904665591178199509019398121$$

$$R = 28.42413$$

$$P = x^{44} + 13x^{43} + 56x^{42} + 41x^{41} - 350x^{40} - 875x^{39} - 212x^{38} + 684x^{37} + 2250x^{36} + 19369x^{35} + 30545 \times x^{34} - 82625x^{33} - 250419x^{32} + 68447x^{31} + 864722x^{30} + 496274x^{29} - 1687978x^{28} - 2168771x^{27} + 1723431 \times x^{26} + 4594361x^{25} + 140843x^{24} - 6010531x^{23} - 3492667x^{22} + 4679378x^{21} + 6030944x^{20} - 1050460x^{19} - 5658208x^{18} - 2231162x^{17} + 2824462x^{16} + 2968154x^{15} - 80656x^{14} - 1629524x^{13} - 823338x^{12} + 264146 \times x^{11} + 447106x^{10} + 142154x^9 - 54982x^8 - 61408x^7 - 18663x^6 + 1234x^5 + 2903x^4 + 1078x^3 + 209x^2 + 22x + 1$$

d = 44; r₁ = 18;

$$\text{Disc} = -164842238497549061695211522769371812495672191125074993442693937679$$

$$R = 30.35331$$

$$P = x^{44} + 17x^{43} + 110x^{42} + 275x^{41} - 346x^{40} - 3839x^{39} - 7379x^{38} + 8801x^{37} + 59292x^{36} + 61401x^{35} - 154182 \times x^{34} - 440934x^{33} - 58028x^{32} + 1185741x^{31} + 1397968x^{30} - 1288146x^{29} - 4009018x^{28} - 1178617x^{27} + 5618527 \times x^{26} + 6288405x^{25} - 2823106x^{24} - 9978402x^{23} - 3946336x^{22} + 7730142x^{21} + 8973281x^{20} - 984999x^{19} - 7816275x^{18} - 3991672x^{17} + 2876096x^{16} + 4022292x^{15} + 617622x^{14} - 1644492x^{13} - 1106737x^{12} + 94758 \times x^{11} + 427032x^{10} + 171152x^9 - 34390x^8 - 54378x^7 - 17253x^6 + 1394x^5 + 2911x^4 + 1078x^3 + 209x^2 + 22x + 1$$

d = 44; r₁ = 20;

$$\text{Disc} = 285689383159293267600633837231427546108526992794196537547036538037$$

$$R = 30.73505$$

$$P = x^{44} + x^{43} - 21x^{42} - 21x^{41} + 195x^{40} + 200x^{39} - 1064x^{38} - 1132x^{37} + 3818x^{36} + 4197x^{35} - 9503 \times x^{34} - 10606x^{33} + 16682x^{32} + 18203x^{31} - 19977x^{30} - 19347x^{29} + 13247x^{28} + 6097x^{27} + 3748x^{26} + 18966 \times x^{25} - 22326x^{24} - 39717x^{23} + 30401x^{22} + 39717x^{21} - 22326x^{20} - 18966x^{19} + 3748x^{18} - 6097x^{17} + 13247 \times x^{16} + 19347x^{15} - 19977x^{14} - 18203x^{13} + 16682x^{12} + 10606x^{11} - 9503x^{10} - 4197x^9 + 3818x^8 + 1132 \times x^7 - 1064x^6 - 200x^5 + 195x^4 + 21x^3 - 21x^2 - x + 1$$

d = 44; r₁ = 22;

$$\text{Disc} = -30252646374948576261368541583950511133704555000303039632090721800419$$

$$R = 34.17069$$

$$P = x^{44} + 7x^{43} - 19x^{42} - 261x^{41} - 365x^{40} + 2366x^{39} + 7219x^{38} - 6258x^{37} - 47713x^{36} - 21303x^{35} + 165649 \times x^{34} + 214702x^{33} - 310635x^{32} - 794210x^{31} + 131796x^{30} + 1752987x^{29} + 976688x^{28} - 2366671x^{27} - 3144846 \times x^{26} + 1360163x^{25} + 5106260x^{24} + 1633754x^{23} - 4754183x^{22} - 4741019x^{21} + 1583228x^{20} + 5200138 \times x^{19} + 1963795x^{18} - 2661893x^{17} - 2995618x^{16} - 187409x^{15} + 1594575x^{14} + 1073856x^{13} - 99450x^{12} - 516970 \times x^{11} - 268266x^{10} + 19522x^9 + 91381x^8 + 45847x^7 + 4584x^6 - 6144x^5 - 3866x^4 - 1183x^3 - 214x^2 - 22x - 1$$

d = 44; r₁ = 24;

$$\text{Disc} = 753219704449837019749953333780785638972336313868348112164586256706541$$

$$R = 36.76077$$

$$P = x^{44} + x^{43} - 37x^{42} + 4x^{41} + 591x^{40} - 624x^{39} - 4914x^{38} + 9532x^{37} + 21124x^{36} - 68354x^{35} - 33042 \times x^{34} + 283800x^{33} - 105074x^{32} - 749972x^{31} + 752520x^{30} + 1299632x^{29} - 2289757x^{28} - 1333449x^{27} + 4630217 \times x^{26} + 74188x^{25} - 6824936x^{24} + 2712777x^{23} + 7303618x^{22} - 5955440x^{21} - 5119225x^{20} + 7552795x^{19} + 1332458x^{18} - 6267594x^{17} + 1564003x^{16} + 3237734x^{15} - 2147368x^{14} - 741072x^{13} + 1237796x^{12} - 206533 \times x^{11} - 342641x^{10} + 200216x^9 + 9342x^8 - 49343x^7 + 18262x^6 + 624x^5 - 2729x^4 + 1057x^3 - 208x^2 + 22x - 1$$

d = 44; r₁ = 26;

$$\text{Disc} = -57972886408530434656413970605736736667881513741286635550516550246467019$$

$$R = 40.57468$$

$$P = x^{44} + x^{43} - 51x^{42} - 35x^{41} + 1048x^{40} + 383x^{39} - 11430x^{38} - 872x^{37} + 75050x^{36} - 11846x^{35} - 328248x^{34} + 122962x^{33} + 1022024x^{32} - 608863x^{31} - 2362904x^{30} + 1981025x^{29} + 4139261x^{28} - 4677031 \times x^{27} - 5451346x^{26} + 8386178x^{25} + 5069947x^{24} - 11640954x^{23} - 2500924x^{22} + 12494671x^{21} - 1150113 \times x^{20} - 10138277x^{19} + 3767789x^{18} + 5878961x^{17} - 4083589x^{16} - 2079165x^{15} + 2713781x^{14} + 103652 \times x^{13} - 1154433x^{12} + 341037x^{11} + 268588x^{10} - 194843x^9 - 150x^8 + 44840x^7 - 17245x^6 - 744x^5 + 2735 \times x^4 - 1057x^3 + 208x^2 - 22x + 1$$

d = 44; r₁ = 28;

$$\text{Disc} = 39671178660741273061125575497058365374177364749734368408385208237162496$$

$$R = 40.22637$$

$$P = T_{44} + 3T_{42} + 7T_{40} + 13T_{38} + 21T_{36} + 31T_{34} + 45T_{32} + 63T_{30} + 85T_{28} + 110T_{26} + 137T_{24} + 164T_{22} + 190 \times T_{20} + 213T_{18} + 230T_{16} + 239T_{14} + 239T_{12} + 229T_{10} + 208T_8 + 175T_6 + 132T_4 + 82T_2 + 28$$

d = 44; r₁ = 30;

$$\text{Disc} = -3430593346813063600979678179189789536373010958019693193295972549156716951$$

$$R = 44.51754$$

$$P = x^{44} + 2x^{43} - 21x^{42} - 74x^{41} + 181x^{40} + 1217x^{39} - 728x^{38} - 11977x^{37} + 277x^{36} + 79641x^{35} + 12249 \times x^{34} - 381818x^{33} - 70224x^{32} + 1372726x^{31} + 217337x^{30} - 3796857x^{29} - 436521x^{28} + 8222064x^{27} + 584256 \times x^{26} - 14116705x^{25} - 486251x^{24} + 19402149x^{23} + 150471x^{22} - 21504259x^{21} + 221163x^{20} + 19305297 \times x^{19} - 469110x^{18} - 14021232x^{17} + 573005x^{16} + 8146435x^{15} - 533507x^{14} - 3689621x^{13} + 366325x^{12} + 1247501 \times x^{11} - 172336x^{10} - 296191x^9 + 51893x^8 + 45698x^7 - 9360x^6 - 4197x^5 + 948x^4 + 204x^3 - 49x^2 - 4x + 1$$

d = 44; r₁ = 32;

$$\text{Disc} = 15425409485125331593705078679380755877464555584008445465125553309803872256$$

$$R = 46.06478$$

$$P = T_{44} + 10T_{42} + 71T_{40} + 364T_{38} + 1453T_{36} + 4775T_{34} + 13432T_{32} + 33210T_{30} + 73528T_{28} + 147753 \times T_{26} + 272145T_{24} + 462803T_{22} + 730477T_{20} + 1073966T_{18} + 1473849T_{16} + 1888971T_{14} + 2258097T_{12} + 2508077 \times T_{10} + 2567937T_8 + 2386046T_6 + 1945784T_4 + 1274759T_2 + 443961$$

d = 44; r₁ = 34;

$$\text{Disc} = -844972256356333870631006396012183594912405942449680554407088228511143428096$$

$$R = 50.45251$$

$$P = T_{44} + 10T_{42} + 51T_{40} + 184T_{38} + 552T_{36} + 1467T_{34} + 3558T_{32} + 7984T_{30} + 16652T_{28} + 32346T_{26} + 58588 \times T_{24} + 99056T_{22} + 156489T_{20} + 231177T_{18} + 319413T_{16} + 412487T_{14} + 496827T_{12} + 555716T_{10} + 572499 \times T_8 + 534670T_6 + 437725T_4 + 287530T_2 + 100271$$

d = 44; r₁ = 36;

$$\text{Disc} = 1579525724973044788459156737172353896591876494721406600737036071072719437824$$

$$R = 51.17495$$

$$P = T_{44} + T_{40} - T_{32} - T_{28} - T_{24} - T_{22} - T_{18} + T_{10} + T_6 + T_4 + 1$$

d = 44; r₁ = 38;

$$\text{Disc} = -322289326293762844054777134738937181548641505994567366041261074538286238662656$$

$$R = 57.74987$$

$$P = T_{44} + T_{38} - T_{36} - T_{32} - T_{30} - 2T_{26} - T_{20} + T_{18} - T_{16} + T_{14} - T_{10} + 2T_8 - T_6 + T_2 - 1$$

d = 44; r₁ = 40;

$$\text{Disc} = 148360014852943534542434612448276113311698215547954839412727496609327579398144$$

$$R = 56.74055$$

$$P = T_{44} + 8T_{42} + 28T_{40} + 48T_{38} - 2T_{36} - 265T_{34} - 908T_{32} - 2015T_{30} - 3496T_{28} - 5110T_{26} - 6610T_{24} - 7909 \times T_{22} - 9124T_{20} - 10445T_{18} - 11906T_{16} - 13244T_{14} - 13971T_{12} - 13637T_{10} - 12103T_8 - 9635T_6 - 6742 \times T_4 - 3886T_2 - 1256$$

d = 44; r₁ = 42;

$$\text{Disc} = -206508909603436340723523814148547876334888663373238480619314275696896375297167299$$

$$R = 66.88666$$

$$P = x^{44} + 6x^{43} - 293x^{42} + 86x^{41} + 13141x^{40} - 13794x^{39} - 218799x^{38} + 229683x^{37} + 1820139x^{36} - 1498308 \times x^{35} - 9235744x^{34} + 4783253x^{33} + 31519219x^{32} - 6083973x^{31} - 75617335x^{30} - 9677050x^{29} + 128951345 \times x^{28} + 58318655x^{27} - 152905153x^{26} - 127209953x^{25} + 114717351x^{24} + 169235400x^{23} - 31776103x^{22} - 148581186x^{21} - 37848793x^{20} + 83704569x^{19} + 56423256x^{18} - 24230934x^{17} - 37402579x^{16} - 2867578 \times x^{15} + 14106148x^{14} + 5957620x^{13} - 2510020x^{12} - 2530926x^{11} - 196063x^{10} + 491945x^9 + 192340x^8 - 20748 \times x^7 - 33137x^6 - 7636x^5 + 881x^4 + 847x^3 + 198x^2 + 22x + 1$$

d = 44; r₁ = 44;

$$\begin{aligned}
\text{Disc} &= 181375764426442332776050749828434842919201892356144879261148162186145782470703125 \\
R &= 66.68968 \\
P &= T_{44} + T_{43} - T_{42} - T_{41} - T_{39} - T_{38} + T_{37} + T_{36} + T_{34} + T_{33} - T_{32} - T_{31} - T_{29} - T_{28} + T_{27} + T_{26} + T_{24} + \\
&T_{23} - T_{22} - 2T_{21} - T_{20} + T_{17} + 2T_{16} + T_{15} - T_{12} - 2T_{11} - T_{10} + T_7 + 2T_6 + T_5 - T_2 - 2T_1 - 1
\end{aligned}$$

d = 45; r₁ = 1;

Disc = 15824104161227658514066214451489441246968229117848235016277

R = 19.64799

$P = x^{45} + 4x^{44} - 15x^{42} + 6x^{41} + 69x^{40} + 13x^{39} - 176x^{38} - 113x^{37} + 329x^{36} + 423x^{35} - 561x^{34} - 1363 \times x^{33} + 587x^{32} + 3203x^{31} + 286x^{30} - 5264x^{29} - 2332x^{28} + 6422x^{27} + 4895x^{26} - 6567x^{25} - 7091x^{24} + 6809 \times x^{23} + 8620x^{22} - 8049x^{21} - 9592x^{20} + 9901x^{19} + 9859x^{18} - 11184x^{17} - 8917x^{16} + 10997x^{15} + 6573x^{14} - 9190 \times x^{13} - 3536x^{12} + 6318x^{11} + 1047x^{10} - 3392x^9 + 165x^8 + 1312x^7 - 349x^6 - 308x^5 + 170x^4 + 16x^3 - 34x^2 + 10x - 1$

d = 45; r₁ = 3;

Disc = -9818316475757755441647476328861455809902143382501868583875

R = 19.44070

$P = x^{45} + 11x^{44} + 66x^{43} + 280x^{42} + 928x^{41} + 2524x^{40} + 5772x^{39} + 11161x^{38} + 17930x^{37} + 22283 \times x^{36} + 15248x^{35} - 18592x^{34} - 99451x^{33} - 245668x^{32} - 461292x^{31} - 720196x^{30} - 952628x^{29} - 1042497x^{28} - 842702x^{27} - 210490x^{26} + 943773x^{25} + 2609497x^{24} + 4649454x^{23} + 6809206x^{22} + 8765895x^{21} + 10204602 \times x^{20} + 10898296x^{19} + 10764349x^{18} + 9878781x^{17} + 8445375x^{16} + 6733314x^{15} + 5006741x^{14} + 3469107 \times x^{13} + 2235921x^{12} + 1336952x^{11} + 738914x^{10} + 375622x^9 + 174486x^8 + 73430x^7 + 27672x^6 + 9189x^5 + 2627 \times x^4 + 624x^3 + 116x^2 + 15x + 1$

d = 45; r₁ = 5;

Disc = 68624142287553397598989003952869852861677403829075588992168697

R = 23.66704

$P = x^{45} - 17x^{43} + 3x^{42} + 150x^{41} - 49x^{40} - 903x^{39} + 389x^{38} + 4033x^{37} - 2127x^{36} - 14066x^{35} + 8682 \times x^{34} + 39364x^{33} - 27744x^{32} - 89811x^{31} + 71693x^{30} + 168402x^{29} - 153123x^{28} - 259620x^{27} + 273781 \times x^{26} + 325963x^{25} - 411936x^{24} - 324260x^{23} + 521005x^{22} + 237120x^{21} - 549696x^{20} - 94230x^{19} + 475796 \times x^{18} - 40741x^{17} - 327052x^{16} + 112635x^{15} + 166640x^{14} - 111088x^{13} - 51387x^{12} + 68479x^{11} - 1091x^{10} - 26097 \times x^9 + 10038x^8 + 4192x^7 - 4431x^6 + 880x^5 + 500x^4 - 371x^3 + 108x^2 - 16x + 1$

d = 45; r₁ = 7;

Disc = -406822704253115530929019875463592545973791765430350933507938799

R = 24.62182

$P = x^{45} + x^{44} - 19x^{43} - 25x^{42} + 154x^{41} + 272x^{40} - 649x^{39} - 1678x^{38} + 1116x^{37} + 6303x^{36} + 2631x^{35} - 13578 \times x^{34} - 21060x^{33} + 8358x^{32} + 57686x^{31} + 43221x^{30} - 74322x^{29} - 149777x^{28} - 8830x^{27} + 220129x^{26} + 202852 \times x^{25} - 105572x^{24} - 336709x^{23} - 178051x^{22} + 205384x^{21} + 357433x^{20} + 107208x^{19} - 224305x^{18} - 266987 \times x^{17} - 45444x^{16} + 147075x^{15} + 143529x^{14} + 24916x^{13} - 58667x^{12} - 56860x^{11} - 15679x^{10} + 12074x^9 + 14645 \times x^8 + 6400x^7 + 108x^6 - 1616x^5 - 1119x^4 - 430x^3 - 104x^2 - 15x - 1$

d = 45; r₁ = 9;

Disc = 1341073848144351850002818521732030280849334575691849898319116237

R = 25.28321

$P = x^{45} - 14x^{43} + 82x^{41} - 20x^{40} - 272x^{39} + 237x^{38} + 626x^{37} - 1201x^{36} - 1170x^{35} + 3651x^{34} + 1661 \times x^{33} - 8211x^{32} - 837x^{31} + 15688x^{30} - 4604x^{29} - 26548x^{28} + 20176x^{27} + 37307x^{26} - 49450x^{25} - 37603 \times x^{24} + 84930x^{23} + 17618x^{22} - 105741x^{21} + 16402x^{20} + 94821x^{19} - 41371x^{18} - 60124x^{17} + 41320x^{16} + 27676 \times x^{15} - 25306x^{14} - 12157x^{13} + 12146x^{12} + 7061x^{11} - 7178x^{10} - 3040x^9 + 4582x^8 - 173x^7 - 1698x^6 + 767 \times x^5 + 105x^4 - 206x^3 + 79x^2 - 14x + 1$

d = 45; r₁ = 11;

Disc = -7055386348883597632909183339913800578028425889686486485865583531

R = 26.23349

$P = x^{45} + 6x^{44} - 5x^{43} - 83x^{42} - 34x^{41} + 528x^{40} + 365x^{39} - 2250x^{38} - 1493x^{37} + 7436x^{36} + 3349x^{35} - 20091 \times x^{34} - 2483x^{33} + 44572x^{32} - 11909x^{31} - 78797x^{30} + 57328x^{29} + 102720x^{28} - 143364x^{27} - 75220x^{26} + 243877 \times x^{25} - 38844x^{24} - 285143x^{23} + 213689x^{22} + 193485x^{21} - 340287x^{20} + 11627x^{19} + 307169x^{18} - 192842 \times x^{17} - 130949x^{16} + 220099x^{15} - 40029x^{14} - 114744x^{13} + 89520x^{12} + 8532x^{11} - 47204x^{10} + 22974x^9 + 5053 \times x^8 - 10444x^7 + 4230x^6 + 308x^5 - 1043x^4 + 500x^3 - 125x^2 + 17x - 1$

d = 45; r₁ = 13;

Disc = 365009130774346744374174200585574077896764410559479142571721615869

R = 28.63783

$P = x^{45} + 3x^{44} - 23x^{43} + 34x^{42} - 97x^{41} - 144x^{40} + 824x^{39} + 39x^{38} + 1077x^{37} + 2661x^{36} - 10702 \times x^{35} - 16073x^{34} - 10312x^{33} - 6072x^{32} + 81299x^{31} + 184965x^{30} + 122842x^{29} - 72759x^{28} - 439439x^{27} - 851144 \times x^{26} - 694892x^{25} + 124387x^{24} + 1030912x^{23} + 1582776x^{22} + 1296219x^{21} + 39576x^{20} - 1261390x^{19} - 1675391 \times x^{18} - 1186178x^{17} - 211777x^{16} + 693370x^{15} + 993003x^{14} + 666801x^{13} + 160642x^{12} - 170331x^{11} - 259549 \times x^{10} - 186512x^9 - 67486x^8 + 9469x^7 + 27764x^6 + 17826x^5 + 6719x^4 + 1645x^3 + 259x^2 + 24x + 1$

d = 45; r₁ = 15 ;

$$\text{Disc} = -8025085721455136232401071443004383587751246952895167242264312824311$$

$$R = 30.67366$$

$$P = x^{45} - 15x^{43} - 36x^{42} + 105x^{41} + 504x^{40} - 629x^{39} - 3276x^{38} + 3627x^{37} + 13236x^{36} - 16575x^{35} - 37620 \times x^{34} + 58176x^{33} + 80784x^{32} - 168322x^{31} - 123811x^{30} + 417758x^{29} + 55522x^{28} - 836593x^{27} + 387513 \times x^{26} + 1163538x^{25} - 1364450x^{24} - 749901x^{23} + 2324590x^{22} - 707661x^{21} - 2107880x^{20} + 2203979x^{19} + 449450 \times x^{18} - 2212680x^{17} + 1164100x^{16} + 800214x^{15} - 1297715x^{14} + 384965x^{13} + 443102x^{12} - 470472x^{11} + 108037 \times x^{10} + 111964x^9 - 105266x^8 + 31185x^7 + 7792x^6 - 11237x^5 + 5188x^4 - 1404x^3 + 236x^2 - 23x + 1$$

d = 45; r₁ = 17 ;

$$\text{Disc} = 19771772792842496293203080095058238006373207522007193390675684308029$$

$$R = 31.29448$$

$$P = x^{45} + 2x^{44} - 31x^{43} - 40x^{42} + 425x^{41} + 319x^{40} - 3456x^{39} - 1041x^{38} + 18671x^{37} - 1820x^{36} - 70416 \times x^{35} + 33525x^{34} + 187260x^{33} - 164746x^{32} - 338501x^{31} + 481489x^{30} + 351835x^{29} - 928748x^{28} + 4769 \times x^{27} + 1164993x^{26} - 677977x^{25} - 796931x^{24} + 1134443x^{23} - 44609x^{22} - 869644x^{21} + 635164x^{20} + 135922 \times x^{19} - 506332x^{18} + 309586x^{17} + 43877x^{16} - 208919x^{15} + 153082x^{14} - 20596x^{13} - 60725x^{12} + 61203 \times x^{11} - 22394x^{10} - 8188x^9 + 14962x^8 - 8206x^7 + 1233x^6 + 1336x^5 - 1144x^4 + 467x^3 - 114x^2 + 16x - 1$$

d = 45; r₁ = 19 ;

$$\text{Disc} = -2381883837473642188088016677028336658841420518055755465397066331668507$$

$$R = 34.81043$$

$$P = x^{45} - 15x^{43} + 16x^{42} + 105x^{41} - 224x^{40} - 340x^{39} + 1456x^{38} - 130x^{37} - 5341x^{36} + 5967x^{35} + 10220 \times x^{34} - 26602x^{33} - 154x^{32} + 61677x^{31} - 56063x^{30} - 71005x^{29} + 162683x^{28} - 17341x^{27} - 237783x^{26} + 210882 \times x^{25} + 156800x^{24} - 373422x^{23} + 81410x^{22} + 340158x^{21} - 296527x^{20} - 127657x^{19} + 321727x^{18} - 77316 \times x^{17} - 189392x^{16} + 143062x^{15} + 48820x^{14} - 100291x^{13} + 15773x^{12} + 40220x^{11} - 20756x^{10} - 8135x^9 + 9294 \times x^8 - 267x^7 - 2203x^6 + 557x^5 + 248x^4 - 116x^3 - 4x^2 + 8x - 1$$

d = 45; r₁ = 21 ;

$$\text{Disc} = 5754275539096847017441809190256110733286144733627915649828846094046741$$

$$R = 35.49948$$

$$P = x^{45} + x^{44} - 26x^{43} - 18x^{42} + 309x^{41} + 137x^{40} - 2209x^{39} - 596x^{38} + 10618x^{37} + 1895x^{36} - 36653x^{35} - 6230 \times x^{34} + 95305x^{33} + 22895x^{32} - 193159x^{31} - 73971x^{30} + 310750x^{29} + 185444x^{28} - 396847x^{27} - 356514 \times x^{26} + 393672x^{25} + 533177x^{24} - 286472x^{23} - 628657x^{22} + 129987x^{21} + 590867x^{20} - 9114x^{19} - 450718 \times x^{18} - 34665x^{17} + 290697x^{16} + 27902x^{15} - 169141x^{14} - 16541x^{13} + 90924x^{12} + 15094x^{11} - 40704x^{10} - 13324 \times x^9 + 12031x^8 + 7096x^7 - 1260x^6 - 1893x^5 - 342x^4 + 154x^3 + 83x^2 + 15x + 1$$

d = 45; r₁ = 23 ;

$$\text{Disc} = -247146221024933957547988547846588738037821393889344100580258047002281811$$

$$R = 38.59314$$

$$P = T_{45} + T_{43} + T_{41} + T_{39} + T_{37} + T_{35} + T_{33} + T_{31} + T_{30} + T_{29} + T_{28} + T_{27} + T_{26} + 2T_{25} + T_{24} + 2T_{23} + 2 \times T_{21} + 2T_{19} + 2T_{17} + 2T_{15} + 2T_{13} + 2T_{11} + T_{10} + T_9 + T_8 + T_6 + T_4 - 1$$

d = 45; r₁ = 25 ;

$$\text{Disc} = 19455557407685490351431954123373503618446971396417229577910343768635250769$$

$$R = 42.52511$$

$$P = T_{45} + T_{44} + 2T_{43} + 2T_{42} + 3T_{41} + 3T_{40} + 4T_{39} + 3T_{38} + 4T_{37} + 3T_{36} + 3T_{35} + 2T_{34} + 2T_{33} + T_{32} + 3 \times T_{31} + 2T_{30} + 4T_{29} + 4T_{28} + 6T_{27} + 6T_{26} + 8T_{25} + 6T_{24} + 8T_{23} + 5T_{22} + 6T_{21} + 3T_{20} + 3T_{19} + T_{18} + 3 \times T_{17} + T_{16} + 3T_{15} + 2T_{14} + 4T_{13} + 4T_{12} + 5T_{11} + 3T_{10} + 4T_9 + 2T_8 + 2T_7 - T_5 - 2T_4 - T_3 - 2T_2 - T_1 - 1$$

d = 45; r₁ = 27 ;

$$\text{Disc} = -1115023756384119144947265109569781364284125546977057565137285188200928247$$

$$R = 39.90715$$

$$P = T_{45} + T_{44} + 11T_{43} + 11T_{42} + 67T_{41} + 65T_{40} + 294T_{39} + 275T_{38} + 1033T_{37} + 929T_{36} + 3068T_{35} + 2645 \times T_{34} + 7970T_{33} + 6568T_{32} + 18564T_{31} + 14599T_{30} + 39494T_{29} + 29613T_{28} + 77724T_{27} + 55519T_{26} + 142582 \times T_{25} + 96925T_{24} + 244782T_{23} + 158218T_{22} + 393973T_{21} + 242033T_{20} + 594824T_{19} + 347357T_{18} + 842369 \times T_{17} + 467803T_{16} + 1118040T_{15} + 590756T_{14} + 1388216T_{13} + 698003T_{12} + 1606877T_{11} + 768186T_{10} + 1722982 \times T_9 + 780900T_8 + 1691631T_7 + 721621T_6 + 1486385T_5 + 586122T_4 + 1109008T_3 + 382983T_2 + 593132T_1 + 133207$$

d = 45; r₁ = 29 ;

$$\text{Disc} = 1612427041969473271515757705340914115778661385179708644019074913322893492393$$

$$R = 46.91129$$

$$P = T_{45} + 2T_{44} + 3T_{43} + 3T_{42} + 2T_{41} + T_{40} + T_{39} + T_{38} + T_{37} - T_{35} - T_{34} + 2T_{29} + 4T_{28} + 5T_{27} + 4 \times T_{26} + 3T_{25} + 2T_{24} + 2T_{23} + T_{22} - T_{20} - T_{19} - T_{18} + T_{16} + 3T_{15} + 4T_{14} + 4T_{13} + 3T_{12} + 3T_{11} + 3T_{10} + 3 \times T_9 + T_8 - T_7 - 2T_6 - 2T_5 - 2T_4 - 2T_3 - 2T_2 - T_1$$

d = 45; r₁ = 31 ;

$$\text{Disc} = -28205318341184571480475904294304731958005467956854618781581301691300723114587$$

$$R = 49.99151$$

$$P = T_{45} - T_{43} - T_{42} + T_{40} + T_{33} - T_{31} - 2T_{30} + 2T_{28} + 2T_{24} - 2T_{22} + T_{21} - T_{19} - 2T_{18} + 2T_{16} - T_{15} + T_{13} + 3 \times T_{12} - 3T_{10} - T_9 + T_7 - 2T_6 + 2T_4 - T_3 + T_1 + 5$$

d = 45; r₁ = 33 ;

$$\text{Disc} = 134230794831003905108629104824135593921060528781176017698495999136205558633$$

$$R = 44.39005$$

$$P = x^{45} + x^{44} - 33x^{43} - 47x^{42} + 388x^{41} + 769x^{40} - 1838x^{39} - 5737x^{38} + 978x^{37} + 19394x^{36} + 20744 \times x^{35} - 9314x^{34} - 56670x^{33} - 147371x^{32} - 52316x^{31} + 520877x^{30} + 526245x^{29} - 733798x^{28} - 1107205 \times x^{27} - 9891x^{26} + 929918x^{25} + 1977292x^{24} + 437637x^{23} - 4169827x^{22} - 2146628x^{21} + 5133898x^{20} + 2926749 \times x^{19} - 4421602x^{18} - 2469281x^{17} + 2825425x^{16} + 1462377x^{15} - 1372046x^{14} - 633404x^{13} + 510067x^{12} + 202846 \times x^{11} - 144541x^{10} - 47663x^9 + 30731x^8 + 8005x^7 - 4752x^6 - 911x^5 + 505x^4 + 63x^3 - 33x^2 - 2x + 1$$

d = 45; r₁ = 35 ;

$$\text{Disc} = -700917882732640531374279943081230002513588495183503247966608147523554901637007$$

$$R = 53.69127$$

$$P = T_{45} + T_{44} - T_{43} - T_{42} + T_{41} - 2T_{39} + T_{37} - T_{36} + 2T_{34} - T_{32} + T_{31} - T_{30} - 3T_{29} + T_{28} + 3T_{27} - T_{26} - T_{25} + 3 \times T_{24} + T_{23} - 2T_{22} - 3T_{19} + 3T_{17} - T_{16} - T_{15} + 4T_{14} + T_{13} - 5T_{12} - T_{11} + 3T_{10} - T_9 - 2T_8 + 2T_7 + T_6 - T_5 + 2 \times T_4 + T_3 - 4T_2 - 2T_1 + 3$$

d = 45; r₁ = 37 ;

$$\text{Disc} = 19378357153037356658673036902857380066770304757722164034533358077538093946392989$$

$$R = 57.80167$$

$$P = T_{45} + T_{41} + T_{38} - T_{36} + T_{34} + 2T_{31} - T_{29} + T_{27} - T_{26} + 2T_{24} - T_{22} + T_{21} + T_{20} - T_{19} + 2T_{17} - T_{16} - 2 \times T_{15} + T_{14} + T_{13} - T_{12} + T_{11} + 3T_{10} - 2T_9 - 2T_8 + T_7 - 2T_5 + T_4 + 3T_3 - 2T_2 - T_1 + 2$$

d = 45; r₁ = 39 ;

$$\text{Disc} = -4095011705495990222668357979233471532508768909302983777366589165530329851925636639$$

$$R = 65.10370$$

$$P = T_{45} - T_{43} - 2T_{36} + 2T_{34} - T_{30} + T_{28} + 3T_{27} - 3T_{25} + 4T_{21} - 4T_{19} - T_{18} + T_{16} + 3T_{15} - 3T_{13} - 4 \times T_{12} + 4T_{10} + T_9 - T_7 - 5T_6 + 5T_4 + 3T_3 - 3T_1 - 3$$

d = 45; r₁ = 41 ;

$$\text{Disc} = 3596228668862289187831996554716222528025390210209140467404293783198350236864341218241$$

$$R = 75.68657$$

$$P = T_{45} + 2T_{44} + 2T_{43} + T_{42} - 2T_{41} - 6T_{40} - 8T_{39} - 9T_{38} - 9T_{37} - 5T_{36} + 3T_{34} + 7T_{33} + 12T_{32} + 13T_{31} + 13 \times T_{30} + 13T_{29} + 8T_{28} + 2T_{27} - 3T_{25} - 5T_{24} + T_{23} + 8T_{22} + 10T_{21} + 14T_{20} + 19T_{19} + 18T_{18} + 18T_{17} + 19T_{16} + 14 \times T_{15} + 10T_{14} + 10T_{13} + 7T_{12} + 5T_{11} + 9T_{10} + 12T_9 + 11T_8 + 12T_7 + 13T_6 + 10T_5 + 9T_4 + 9T_3 + 6T_2 + 5T_1 + 5$$

d = 45; r₁ = 43 ;

$$\text{Disc} = -1973654066553729320144836243217911195143840971239786240891533933981198739906824632907$$

$$R = 74.68412$$

$$P = T_{45} - T_{43} + T_{42} - T_{40} - T_{36} + T_{34} - 2T_{33} + 2T_{31} - 2T_{30} + 2T_{28} - T_{27} + T_{25} - T_{24} + T_{22} - T_{21} + T_{19} + T_9 - T_7 + T_6 - T_4 + 2T_3 - 2T_1 + 3$$

d = 45; r₁ = 45 ;

$$\text{Disc} = 277624912783234035986611657294235396879133037541370737876366574411277785950987115840109$$

$$R = 83.36154$$

$$P = T_{45} + 2T_{44} - 9T_{43} - 56T_{42} - 165T_{41} - 263T_{40} - 19T_{39} + 1424T_{38} + 5595T_{37} + 14347T_{36} + 28937 \times T_{35} + 47356T_{34} + 61971T_{33} + 55122T_{32} - 192T_{31} - 140059T_{30} - 397850T_{29} - 793010T_{28} - 1310801T_{27} - 1887855T_{26} - 2409430T_{25} - 2710180T_{24} - 2619440T_{23} - 1971619T_{22} - 692773T_{21} + 1230974T_{20} + 3672574 \times T_{19} + 6483608T_{18} + 9445844T_{17} + 12430707T_{16} + 15354885T_{15} + 18240675T_{14} + 21174158T_{13} + 24160965 \times T_{12} + 27219989T_{11} + 30044213T_{10} + 32434364T_9 + 33796619T_8 + 33971433T_7 + 32503573T_6 + 29674338 \times T_5 + 25478900T_4 + 20602362T_3 + 15267008T_2 + 10035860T_1 + 4924086$$

d = 46; r₁ = 0;

Disc = -69335842283607188812686650028923954536966406099295497634959

R = 19.01741

$P = x^{46} + 12x^{45} + 79x^{44} + 373x^{43} + 1406x^{42} + 4476x^{41} + 12456x^{40} + 31004x^{39} + 70152x^{38} + 146025 \times x^{37} + 282170x^{36} + 509742x^{35} + 865705x^{34} + 1388408x^{33} + 2110444x^{32} + 3049521x^{31} + 4199034x^{30} + 5520684 \times x^{29} + 6941702x^{28} + 8358597x^{27} + 9647995x^{26} + 10683400x^{25} + 11354866x^{24} + 11587535x^{23} + 11354866 \times x^{22} + 10683400x^{21} + 9647995x^{20} + 8358597x^{19} + 6941702x^{18} + 5520684x^{17} + 4199034x^{16} + 3049521 \times x^{15} + 2110444x^{14} + 1388408x^{13} + 865705x^{12} + 509742x^{11} + 282170x^{10} + 146025x^9 + 70152x^8 + 31004 \times x^7 + 12456x^6 + 4476x^5 + 1406x^4 + 373x^3 + 79x^2 + 12x + 1$

d = 46; r₁ = 2;

Disc = 35602373659393872339948363447641401851648258668238092884729

R = 18.74383

$P = x^{46} + x^{45} + 6x^{44} + 6x^{43} + 20x^{42} + 20x^{41} + 49x^{40} + 50x^{39} + 99x^{38} + 105x^{37} + 175x^{36} + 193x^{35} + 278 \times x^{34} + 315x^{33} + 402x^{32} + 463x^{31} + 534x^{30} + 619x^{29} + 657x^{28} + 759x^{27} + 753x^{26} + 857x^{25} + 806x^{24} + 893 \times x^{23} + 806x^{22} + 857x^{21} + 753x^{20} + 759x^{19} + 657x^{18} + 619x^{17} + 534x^{16} + 463x^{15} + 402x^{14} + 315x^{13} + 278 \times x^{12} + 193x^{11} + 175x^{10} + 105x^9 + 99x^8 + 50x^7 + 49x^6 + 20x^5 + 20x^4 + 6x^3 + 6x^2 + x + 1$

d = 46; r₁ = 4;

Disc = -13082688008654404409001190374969662429540234670791287966430627

R = 21.31198

$P = x^{46} + 23x^{45} + 274x^{44} + 2233x^{43} + 13910x^{42} + 70273x^{41} + 298614x^{40} + 1093731x^{39} + 3513337x^{38} + 10025160x^{37} + 25658962x^{36} + 59351636x^{35} + 124812660x^{34} + 239775990x^{33} + 422480644x^{32} + 685105566 \times x^{31} + 1025705983x^{30} + 1422132459x^{29} + 1831951257x^{28} + 2200361863x^{27} + 2474017662x^{26} + 2614964400 \times x^{25} + 2608520908x^{24} + 2462621031x^{23} + 2201342685x^{22} + 1857939625x^{21} + 1470676760x^{20} + 1080384298 \times x^{19} + 726351288x^{18} + 439249073x^{17} + 233962189x^{16} + 107064384x^{15} + 41153539x^{14} + 13653136x^{13} + 5104571x^{12} + 3251963x^{11} + 2627202x^{10} + 1850833x^9 + 1050137x^8 + 480215x^7 + 177876x^6 + 53149 \times x^5 + 12595x^4 + 2287x^3 + 299x^2 + 25x + 1$

d = 46; r₁ = 6;

Disc = 20589975054184276603687041479963213730740929594357179169306729

R = 21.52314

$P = x^{46} + 32x^{45} + 501x^{44} + 5133x^{43} + 38625x^{42} + 226692x^{41} + 1075005x^{40} + 4209213x^{39} + 13782036x^{38} + 37936520x^{37} + 87548857x^{36} + 166861879x^{35} + 251858195x^{34} + 263590848x^{33} + 64710044x^{32} - 480470997 \times x^{31} - 1370820205x^{30} - 2326205349x^{29} - 2782532628x^{28} - 2138297821x^{27} - 184134707x^{26} + 2573985770 \times x^{25} + 5018276748x^{24} + 5995921105x^{23} + 5018276748x^{22} + 2573985770x^{21} - 184134707x^{20} - 2138297821 \times x^{19} - 2782532628x^{18} - 2326205349x^{17} - 1370820205x^{16} - 480470997x^{15} + 64710044x^{14} + 263590848 \times x^{13} + 251858195x^{12} + 166861879x^{11} + 87548857x^{10} + 37936520x^9 + 13782036x^8 + 4209213x^7 + 1075005 \times x^6 + 226692x^5 + 38625x^4 + 5133x^3 + 501x^2 + 32x + 1$

d = 46; r₁ = 8;

Disc = -390323140606304090704772121257739295616985714938195827196576279

R = 22.94474

$P = x^{46} + 12x^{45} + 75x^{44} + 333x^{43} + 1185x^{42} + 3583x^{41} + 9527x^{40} + 22786x^{39} + 49790x^{38} + 100529 \times x^{37} + 189158x^{36} + 333886x^{35} + 555730x^{34} + 875841x^{33} + 1311410x^{32} + 1870641x^{31} + 2547716x^{30} + 3319028 \times x^{29} + 4142021x^{28} + 4957571x^{27} + 5696165x^{26} + 6287167x^{25} + 6669542x^{24} + 6801885x^{23} + 6669542 \times x^{22} + 6287167x^{21} + 5696165x^{20} + 4957571x^{19} + 4142021x^{18} + 3319028x^{17} + 2547716x^{16} + 1870641 \times x^{15} + 1311410x^{14} + 875841x^{13} + 555730x^{12} + 333886x^{11} + 189158x^{10} + 100529x^9 + 49790x^8 + 22786 \times x^7 + 9527x^6 + 3583x^5 + 1185x^4 + 333x^3 + 75x^2 + 12x + 1$

d = 46; r₁ = 10;

Disc = 16355670051693899399785115041805121891240493794926124726366301681

R = 24.88567

$P = x^{46} + 11x^{45} + 29x^{44} - 102x^{43} - 643x^{42} - 377x^{41} + 4050x^{40} + 7844x^{39} - 10651x^{38} - 43847x^{37} - 562 \times x^{36} + 142299x^{35} + 108654x^{34} - 307453x^{33} - 491848x^{32} + 377377x^{31} + 1382152x^{30} + 239933x^{29} - 2606137 \times x^{28} - 2462719x^{27} + 2787430x^{26} + 6143490x^{25} + 84261x^{24} - 8564092x^{23} - 5657846x^{22} + 6427865x^{21} + 9754082x^{20} - 520434x^{19} - 8613667x^{18} - 4192562x^{17} + 3774618x^{16} + 4501322x^{15} + 128305x^{14} - 2166854 \times x^{13} - 1086791x^{12} + 338751x^{11} + 532361x^{10} + 140828x^9 - 77114x^8 - 67001x^7 - 14910x^6 + 4410x^5 + 3994 \times x^4 + 1287x^3 + 231x^2 + 23x + 1$

d = 46; r₁ = 12;

Disc = -46333908966901735058714197748705024608654694396094107601783368951

$$R = 25.45543$$

$$P = x^{46} + 23x^{45} + 249x^{44} + 1683x^{43} + 7893x^{42} + 26691x^{41} + 63691x^{40} + 88961x^{39} - 37839x^{38} - 641877 \times x^{37} - 2140875x^{36} - 4519689x^{35} - 6273048x^{34} - 3387012x^{33} + 10126075x^{32} + 38480070x^{31} + 77541253 \times x^{30} + 109866515x^{29} + 108422080x^{28} + 52326985x^{27} - 52694801x^{26} - 165935948x^{25} - 228602536x^{24} - 200218517x^{23} - 89009574x^{22} + 49390905x^{21} + 146769655x^{20} + 164827840x^{19} + 113743340x^{18} + 36495901 \times x^{17} - 23917130x^{16} - 48147736x^{15} - 42179623x^{14} - 23561844x^{13} - 6931458x^{12} + 1966281x^{11} + 4268154 \times x^{10} + 3372651x^9 + 1862316x^8 + 798300x^7 + 273668x^6 + 75253x^5 + 16374x^4 + 2734x^3 + 331x^2 + 26x + 1$$

$$\mathbf{d} = 46; \mathbf{r}_1 = 14;$$

$$\text{Disc} = 3234350031565251902320989914631475666951205153788248618282637413181$$

$$R = 27.91676$$

$$P = x^{46} + 18x^{45} + 139x^{44} + 563x^{43} + 987x^{42} - 1431x^{41} - 11865x^{40} - 23874x^{39} + 4011x^{38} + 116877 \times x^{37} + 216911x^{36} - 11171x^{35} - 690069x^{34} - 1049702x^{33} + 178689x^{32} + 2588839x^{31} + 2956557x^{30} - 1169599 \times x^{29} - 6223014x^{28} - 4874788x^{27} + 3620455x^{26} + 9491688x^{25} + 4334612x^{24} - 6197638x^{23} - 8982024 \times x^{22} - 1288792x^{21} + 6259202x^{20} + 5109584x^{19} - 1023558x^{18} - 3865966x^{17} - 1701988x^{16} + 1119766 \times x^{15} + 1503521x^{14} + 325890x^{13} - 463342x^{12} - 375084x^{11} - 23650x^{10} + 119833x^9 + 72074x^8 + 1795 \times x^7 - 21384x^6 - 15204x^5 - 5927x^4 - 1485x^3 - 240x^2 - 23x - 1$$

$$\mathbf{d} = 46; \mathbf{r}_1 = 16;$$

$$\text{Disc} = -129863430864232444454611803647663847989274831669483916784072903542459$$

$$R = 30.25018$$

$$P = x^{46} + 4x^{45} - 26x^{44} - 156x^{43} + 3x^{42} + 1737x^{41} + 4116x^{40} - 2451x^{39} - 28486x^{38} - 47056x^{37} + 24477 \times x^{36} + 214839x^{35} + 308903x^{34} - 74802x^{33} - 911885x^{32} - 1291369x^{31} - 88145x^{30} + 2347853x^{29} + 3573735 \times x^{28} + 1240884x^{27} - 3646346x^{26} - 6584255x^{25} - 3876473x^{24} + 2925400x^{23} + 7880530x^{22} + 6463465 \times x^{21} + 65911x^{20} - 5636254x^{19} - 6327998x^{18} - 2583782x^{17} + 1721356x^{16} + 3461026x^{15} + 2452135x^{14} + 494955 \times x^{13} - 769220x^{12} - 946613x^{11} - 536527x^{10} - 115197x^9 + 83234x^8 + 104307x^7 + 62765x^6 + 25781x^5 + 7692 \times x^4 + 1661x^3 + 248x^2 + 23x + 1$$

$$\mathbf{d} = 46; \mathbf{r}_1 = 18;$$

$$\text{Disc} = 118738192070467661351010404592569895392865346826355390572373267540649$$

$$R = 30.19134$$

$$P = x^{46} + 21x^{45} + 190x^{44} + 924x^{43} + 2228x^{42} - 363x^{41} - 19813x^{40} - 56182x^{39} - 30848x^{38} + 208640x^{37} + 572169x^{36} + 309012x^{35} - 1367872x^{34} - 3179516x^{33} - 1281506x^{32} + 5718468x^{31} + 10639789x^{30} + 2852505 \times x^{29} - 15134349x^{28} - 22702770x^{27} - 4201476x^{26} + 25357672x^{25} + 32316984x^{24} + 5693125x^{23} - 26837025 \times x^{22} - 31676465x^{21} - 7677821x^{20} + 17406819x^{19} + 21395641x^{18} + 7729711x^{17} - 6103467x^{16} - 9440166 \times x^{15} - 4733125x^{14} + 522138x^{13} + 2351697x^{12} + 1548272x^{11} + 328472x^{10} - 218880x^9 - 217336x^8 - 82135 \times x^7 - 7028x^6 + 8323x^5 + 4811x^4 + 1375x^3 + 235x^2 + 23x + 1$$

$$\mathbf{d} = 46; \mathbf{r}_1 = 20;$$

$$\text{Disc} = -9452141896623860891812108240635707727144263228146432512720380658538139$$

$$R = 33.20528$$

$$P = x^{46} + 12x^{45} + 34x^{44} - 130x^{43} - 1146x^{42} - 2897x^{41} + 148x^{40} + 19298x^{39} + 46869x^{38} + 16124 \times x^{37} - 154304x^{36} - 352519x^{35} - 149809x^{34} + 733669x^{33} + 1544751x^{32} + 650068x^{31} - 2287612x^{30} - 4360562 \times x^{29} - 1683425x^{28} + 4909227x^{27} + 8349639x^{26} + 2848692x^{25} - 7401345x^{24} - 11125315x^{23} - 3307055 \times x^{22} + 7847252x^{21} + 10398107x^{20} + 2728841x^{19} - 5754526x^{18} - 6771815x^{17} - 1653903x^{16} + 2806510 \times x^{15} + 3003308x^{14} + 751825x^{13} - 838903x^{12} - 863914x^{11} - 248897x^{10} + 124431x^9 + 144518x^8 + 52591 \times x^7 - 1165x^6 - 9968x^5 - 5047x^4 - 1397x^3 - 236x^2 - 23x - 1$$

$$\mathbf{d} = 46; \mathbf{r}_1 = 22;$$

$$\text{Disc} = 507420710595011165162050717737065684263826076487613779696826527447515136$$

$$R = 36.20865$$

$$P = x^{46} - 29x^{44} + 370x^{42} - 2732x^{40} + 12843x^{38} - 39298x^{36} + 73721x^{34} - 56905x^{32} - 92835x^{30} + 323967 \times x^{28} - 353821x^{26} - 61822x^{24} + 712887x^{22} - 1063625x^{20} + 881953x^{18} - 454532x^{16} + 141899x^{14} - 23792 \times x^{12} + 2702x^{10} - 1605x^8 + 833x^6 - 201x^4 + 23x^2 - 1$$

$$\mathbf{d} = 46; \mathbf{r}_1 = 24;$$

$$\text{Disc} = -4178095234943947845865763967583727934015561285256133639565313250768965151$$

$$R = 37.90678$$

$$P = x^{46} + 17x^{45} + 78x^{44} - 279x^{43} - 3837x^{42} - 10638x^{41} + 17329x^{40} + 150440x^{39} + 165044x^{38} - 716470 \times x^{37} - 1966787x^{36} + 834343x^{35} + 8844682x^{34} + 6191825x^{33} - 20884367x^{32} - 34434162x^{31} + 20936991x^{30} + 87110430x^{29} + 24082971x^{28} - 127253680x^{27} - 119390375x^{26} + 94789223x^{25} + 201913097x^{24} + 14539639x^{23} -$$

$$191688333x^{22} - 117148460x^{21} + 93882574x^{20} + 132919433x^{19} + 2947199x^{18} - 77068545x^{17} - 36571159 \times x^{16} + 20230122x^{15} + 23946231x^{14} + 2418267x^{13} - 6843244x^{12} - 3366871x^{11} + 422726x^{10} + 878826 \times x^9 + 236756x^8 - 54537x^7 - 48899x^6 - 9926x^5 + 1104x^4 + 979x^3 + 217x^2 + 23x + 1$$

d = 46; r₁ = 26;

$$\text{Disc} = 9671606673035001450789518981560147069576684665442420944066460901926260989$$

$$R = 38.60480$$

$$P = x^{46} + 20x^{45} + 174x^{44} + 825x^{43} + 1995x^{42} + 25x^{41} - 16099x^{40} - 49010x^{39} - 38985x^{38} + 149023 \times x^{37} + 494949x^{36} + 427528x^{35} - 874443x^{34} - 2799410x^{33} - 2190415x^{32} + 3421506x^{31} + 9734714x^{30} + 6662994 \times x^{29} - 8652327x^{28} - 21772542x^{27} - 13627481x^{26} + 13519006x^{25} + 32258728x^{24} + 20148743x^{23} - 12120711 \times x^{22} - 31899541x^{21} - 21580003x^{20} + 4507541x^{19} + 20257953x^{18} + 15842297x^{17} + 1900961x^{16} - 7219702 \times x^{15} - 7220999x^{14} - 2758063x^{13} + 752869x^{12} + 1655752x^{11} + 1052831x^{10} + 307306x^9 - 55001x^8 - 114475 \times x^7 - 70391x^6 - 28147x^5 - 8120x^4 - 1705x^3 - 250x^2 - 23x - 1$$

d = 46; r₁ = 28;

$$\text{Disc} = -2300479987222214820204725605215956951191898699436794568933398297364593115136$$

$$R = 43.48109$$

$$P = x^{46} - 33x^{44} + 466x^{42} - 3779x^{40} + 19736x^{38} - 69965x^{36} + 171473x^{34} - 287798x^{32} + 319613x^{30} - 240425 \times x^{28} + 243053x^{26} - 551466x^{24} + 1016466x^{22} - 1176892x^{20} + 844399x^{18} - 330521x^{16} + 5337x^{14} + 73680 \times x^{12} - 45884x^{10} + 15358x^8 - 3205x^6 + 417x^4 - 31x^2 + 1$$

d = 46; r₁ = 30;

$$\text{Disc} = 3654106686031859034009197735764186399607378981929431749772360978141495276417$$

$$R = 43.92069$$

$$P = T_{46} - T_{44} - T_{41} + 2T_{40} - 2T_{38} + T_{37} + T_{36} - 2T_{35} + T_{34} - 2T_{32} + 2T_{30} + T_{29} - 2T_{28} + 2T_{26} - 2 \times T_{25} - T_{24} + 4T_{23} - 3T_{22} - T_{21} + 5T_{20} - 4T_{18} + 3T_{17} + T_{16} - 4T_{15} - T_{14} + 5T_{13} - 2T_{12} - 4T_{11} + 6T_{10} + T_9 - 7 \times T_8 + 4T_7 + 2T_6 - 8T_5 + 2T_4 + 5T_3 - 4T_2 - T_1 + 5$$

d = 46; r₁ = 32;

$$\text{Disc} = -114361697391611142919589918643243637278706792193423477472417725544201481677115$$

$$R = 47.33474$$

$$P = T_{46} + T_{45} + T_{44} - T_{42} - 2T_{41} - 2T_{40} - T_{39} - T_{38} + T_{36} + 2T_{35} + 3T_{34} + 2T_{33} + T_{32} - 2T_{31} - 2T_{30} - 2 \times T_{29} - T_{28} + T_{25} + T_{23} - T_{21} - T_{20} - T_{19} + T_{18} + T_{17} + 2T_{16} + T_{15} + T_{14} + T_{13} - T_{12} - T_{11} - 3T_{10} - 2 \times T_9 - 2T_8 + T_6 + T_5 + 2T_4 + T_3 + 2T_2 + T_1 + 1$$

d = 46; r₁ = 34;

$$\text{Disc} = 473945031182637639633763283301226505217819921414859252102483512787406984052736$$

$$R = 48.82056$$

$$P = T_{46} + T_{44} + 2T_{42} + 4T_{40} + 5T_{38} + 7T_{36} + 9T_{34} + 11T_{32} + 14T_{30} + 14T_{28} + 16T_{26} + 19T_{24} + 19T_{22} + 19 \times T_{20} + 19T_{18} + 19T_{16} + 19T_{14} + 16T_{12} + 14T_{10} + 13T_8 + 10T_6 + 7T_4 + 4T_2 + 1$$

d = 46; r₁ = 36;

$$\text{Disc} = -121462269765676177664447827565356998837009634850883500744740290128876665890144256$$

$$R = 55.07647$$

$$P = T_{46} - 2T_{44} + 2T_{42} - T_{40} + T_{38} - T_{36} + T_{32} - T_{30} + T_{28} - T_{26} + T_{24} + T_{12} - T_{10} + T_4 - T_2$$

d = 46; r₁ = 38;

$$\text{Disc} = 484015478447767320958035937095647565312133339611679766419369948458748642211226621$$

$$R = 56.75690$$

$$P = T_{46} + T_{45} - T_{44} - 2T_{43} - T_{42} + 2T_{41} + 3T_{40} - 2T_{38} - 4T_{37} - 2T_{36} + 4T_{35} + 3T_{34} + T_{33} - T_{32} - 4 \times T_{31} - T_{30} + T_{28} + 4T_{27} - 5T_{23} + 2T_{21} + 4T_{19} - T_{18} - 3T_{17} + 2T_{16} - 3T_{15} - T_{14} + 2T_{13} - 2T_{12} + 5T_{11} + 4 \times T_{10} - 4T_9 - 2T_8 - 6T_7 - T_6 + 9T_5 + 2T_4 + 3T_3 - T_2 - 10T_1 + 1$$

d = 46; r₁ = 40;

$$\text{Disc} = -213440073372342003578951588816133495339615084270533814066599121674655762903886411$$

$$R = 55.75561$$

$$P = x^{46} + 11x^{45} - 4x^{44} - 431x^{43} - 857x^{42} + 7170x^{41} + 21905x^{40} - 68765x^{39} - 265931x^{38} + 449866 \times x^{37} + 2000839x^{36} - 2328015x^{35} - 10293356x^{34} + 10610212x^{33} + 37597026x^{32} - 42576472x^{31} - 96668043 \times x^{30} + 138855815x^{29} + 161860619x^{28} - 339036137x^{27} - 123770990x^{26} + 577848939x^{25} - 131755736 \times x^{24} - 623401675x^{23} + 489871515x^{22} + 314711675x^{21} - 603521120x^{20} + 116214433x^{19} + 346812000x^{18} - 278738135x^{17} - 27726105x^{16} + 154751038x^{15} - 76461151x^{14} - 17669256x^{13} + 35758062x^{12} - 13591719 \times x^{11} - 2130368x^{10} + 3905906x^9 - 1437571x^8 + 94869x^7 + 104253x^6 - 39648x^5 + 5199x^4 + 297x^3 - 186x^2 + 23x - 1$$

d = 46; r₁ = 42;

$$\begin{aligned} \text{Disc} &= 361784696515393159181176741963597810156127628424617892490892090721114824280975081472 \\ R &= 65.53722 \\ P &= T_{46} - 2T_{44} + 2T_{42} - 2T_{40} + 2T_{38} - 3T_{36} + 4T_{34} - 4T_{32} + 3T_{30} - 3T_{28} + 4T_{26} - 4T_{24} + 3T_{22} - 2T_{20} + 2 \times \\ &\quad T_{18} - 2T_{16} + 2T_{14} - T_{12} + T_6 - T_4 + 1 \end{aligned}$$

d = 46; r₁ = 44;

$$\begin{aligned} \text{Disc} &= -25132022958425466645343336548284706556373415006716983555553156579075666981880699775803 \\ R &= 71.86653 \\ P &= T_{46} - T_{44} + T_{42} + T_{41} - 3T_{40} + 3T_{38} - 2T_{37} - T_{36} + 2T_{35} - 2T_{33} + T_{32} + T_{31} - T_{30} + 2T_{25} - T_{24} - 3T_{23} + 3 \times \\ &\quad T_{22} + T_{21} - 3T_{20} + 2T_{18} - 2T_{17} - T_{16} + 4T_{15} - 2T_{14} - 2T_{13} + 2T_{12} - 2T_7 + T_6 + 3T_5 - 2T_4 - 3T_3 + 2T_2 + 3T_1 - 4 \end{aligned}$$

d = 46; r₁ = 46;

$$\begin{aligned} \text{Disc} &= 165269405800315006446654642733283089940652236420810887453559572571427563258244528313989 \\ R &= 74.87012 \\ P &= T_{46} + T_{45} - T_{44} - 2T_{43} - T_{42} + T_{41} + 2T_{40} + T_{39} - T_{38} - 2T_{37} - T_{36} + T_{35} + 2T_{34} + T_{33} - T_{32} - 2 \times \\ &\quad T_{31} - T_{30} + T_{29} + 2T_{28} + T_{27} - T_{26} - 2T_{25} - T_{24} + T_{23} + 2T_{22} + T_{21} - T_{20} - 2T_{19} - T_{18} + T_{17} + 2 \times \\ &\quad T_{16} + T_{15} - T_{14} - 2T_{13} - T_{12} + T_{11} + 2T_{10} + T_9 - T_8 - 2T_7 - T_6 + T_5 + 2T_4 + T_3 - T_2 - 2T_1 - 1 \end{aligned}$$

d = 47; r₁ = 1;

$$\text{Disc} = -3431011623082950234941114271322477730387660227674190312808619119$$

$$R = 22.48110$$

$$P = x^{47} + 17x^{46} + 159x^{45} + 1061x^{44} + 5593x^{43} + 24568x^{42} + 92903x^{41} + 309087x^{40} + 918910x^{39} + 2469783 \times x^{38} + 6055600x^{37} + 13642383x^{36} + 28405038x^{35} + 54924367x^{34} + 99024516x^{33} + 167028562x^{32} + 264326043 \times x^{31} + 393393003x^{30} + 551722154x^{29} + 730374753x^{28} + 913898999x^{27} + 1082074026x^{26} + 1213372486 \times x^{25} + 1289380800x^{24} + 1298952146x^{23} + 1240824637x^{22} + 1123876120x^{21} + 964950909x^{20} + 784975640 \times x^{19} + 604569920x^{18} + 440382854x^{17} + 302988500x^{16} + 196560865x^{15} + 119984746x^{14} + 68735714x^{13} + 36836495x^{12} + 18395416x^{11} + 8518758x^{10} + 3636384x^9 + 1420073x^8 + 502465x^7 + 159062x^6 + 44287 \times x^5 + 10587x^4 + 2096x^3 + 324x^2 + 35x + 2$$

d = 47; r₁ = 3;

$$\text{Disc} = 2038885303127939799517933012084780254665583926917629102314342448253$$

$$R = 25.75361$$

$$P = x^{47} + 9x^{46} + 24x^{45} - 20x^{44} - 200x^{43} - 156x^{42} + 751x^{41} + 1231x^{40} - 1678x^{39} - 4588x^{38} + 2123 \times x^{37} + 11584x^{36} - 81x^{35} - 21913x^{34} - 6658x^{33} + 32268x^{32} + 18554x^{31} - 37066x^{30} - 33086x^{29} + 31553 \times x^{28} + 45868x^{27} - 15279x^{26} - 53477x^{25} - 6799x^{24} + 55394x^{23} + 26627x^{22} - 53297x^{21} - 37294x^{20} + 48785 \times x^{19} + 36488x^{18} - 42122x^{17} - 27141x^{16} + 33104x^{15} + 15097x^{14} - 22605x^{13} - 5520x^{12} + 12768x^{11} + 486 \times x^{10} - 5626x^9 + 902x^8 + 1760x^7 - 659x^6 - 309x^5 + 223x^4 - 2x^3 - 32x^2 + 10x - 1$$

d = 47; r₁ = 5;

$$\text{Disc} = -122605426641853574729583977952030573691918797312783211536514238598400$$

$$R = 28.09905$$

$$P = x^{47} + x^{46} - 15x^{45} - 13x^{44} + 107x^{43} + 75x^{42} - 496x^{41} - 258x^{40} + 1723x^{39} + 609x^{38} - 4851x^{37} - 1107 \times x^{36} + 11499x^{35} + 1775x^{34} - 23344x^{33} - 2944x^{32} + 41111x^{31} + 5369x^{30} - 63768x^{29} - 9530x^{28} + 88517 \times x^{27} + 14282x^{26} - 111307x^{25} - 16558x^{24} + 127664x^{23} + 13166x^{22} - 134081x^{21} - 3034x^{20} + 129765x^{19} - 13438 \times x^{18} - 115396x^{17} + 35821x^{16} + 87539x^{15} - 56571x^{14} - 43744x^{13} + 57221x^{12} + 602x^{11} - 32226x^{10} + 16415 \times x^9 + 5285x^8 - 9130x^7 + 3335x^6 + 659x^5 - 1133x^4 + 514x^3 - 126x^2 + 17x - 1$$

d = 47; r₁ = 7;

$$\text{Disc} = 153815315917114336460157563416393618921811529171828595279093043413213$$

$$R = 28.23496$$

$$P = x^{47} - 72x^{45} - 144x^{44} + 1956x^{43} + 5568x^{42} - 25976x^{41} - 82036x^{40} + 217268x^{39} + 668060x^{38} - 1245398 \times x^{37} - 3510668x^{36} + 5112757x^{35} + 12938428x^{34} - 15505564x^{33} - 35174517x^{32} + 35587920x^{31} + 72892563x^{30} - 63011907x^{29} - 117731397x^{28} + 87369925x^{27} + 150492450x^{26} - 95955648x^{25} - 153860064x^{24} + 84158760 \times x^{23} + 126683342x^{22} - 59250787x^{21} - 84326769x^{20} + 33559540x^{19} + 45425864x^{18} - 15278401x^{17} - 19765303 \times x^{16} + 5566367x^{15} + 6910307x^{14} - 1608916x^{13} - 1923234x^{12} + 363693x^{11} + 419810x^{10} - 62860x^9 - 70239 \times x^8 + 8015x^7 + 8688x^6 - 710x^5 - 748x^4 + 39x^3 + 40x^2 - x - 1$$

d = 47; r₁ = 9;

$$\text{Disc} = -1708545136002777531540013619067366547452316590508235302087810420240571$$

$$R = 29.71903$$

$$P = x^{47} - 16x^{45} + 21x^{44} + 120x^{43} - 315x^{42} - 358x^{41} + 2205x^{40} - 1008x^{39} - 8365x^{38} + 14014x^{37} + 12907 \times x^{36} - 60867x^{35} + 33213x^{34} + 132430x^{33} - 242104x^{32} - 56980x^{31} + 635194x^{30} - 544641x^{29} - 767790 \times x^{28} + 1793225x^{27} - 278789x^{26} - 2728257x^{25} + 2738888x^{24} + 1624823x^{23} - 4836493x^{22} + 1718892x^{21} + 4041349x^{20} - 4593293x^{19} - 531451x^{18} + 4192406x^{17} - 2351530x^{16} - 1374249x^{15} + 2332408x^{14} - 675533 \times x^{13} - 763937x^{12} + 765226x^{11} - 148902x^{10} - 183856x^9 + 153519x^8 - 38972x^7 - 13315x^6 + 15236x^5 - 6454 \times x^4 + 1633x^3 - 259x^2 + 24x - 1$$

d = 47; r₁ = 11;

$$\text{Disc} = 125467106279710570522822450602549981917750853014182634091799308943425536$$

$$R = 32.56377$$

$$P = x^{47} + 4x^{46} - 32x^{45} + 129x^{44} - 143x^{43} - 1003x^{42} + 4975x^{41} - 7974x^{40} - 8964x^{39} + 66429x^{38} - 120189 \times x^{37} + 5715x^{36} + 416030x^{35} - 865646x^{34} + 495486x^{33} + 1295744x^{32} - 3416827x^{31} + 3006015x^{30} + 1732759 \times x^{29} - 7959299x^{28} + 8976160x^{27} - 916200x^{26} - 11093406x^{25} + 15833040x^{24} - 7150716x^{23} - 8431805 \times x^{22} + 17248941x^{21} - 11984355x^{20} - 1554408x^{19} + 11241840x^{18} - 10572520x^{17} + 3030716x^{16} + 3643956 \times x^{15} - 5181088x^{14} + 2833888x^{13} - 41294x^{12} - 1188014x^{11} + 1001962x^{10} - 391739x^9 - 4275x^8 + 109098 \times x^7 - 78444x^6 + 33580x^5 - 9920x^4 + 2060x^3 - 290x^2 + 25x - 1$$

d = 47; r₁ = 13;

$$\text{Disc} = -173028412346053527652432586947802609704579493627772471543083484466285559$$

$$R = 32.78722$$

$$P = T_{47} + 6T_{45} + 21T_{43} + 56T_{41} + 126T_{39} - T_{38} + 252T_{37} - 4T_{36} + 461T_{35} - 10T_{34} + 783T_{33} - 20T_{32} + 1248 \times T_{31} - 35T_{30} + 1880T_{29} - 57T_{28} + 2691T_{27} - 88T_{26} + 3675T_{25} - 127T_{24} + 4802T_{23} - 173T_{22} + 6014T_{21} - 223 \times T_{20} + 7226T_{19} - 274T_{18} + 8331T_{17} - 321T_{16} + 9210T_{15} - 358T_{14} + 9743T_{13} - 379T_{12} + 9825T_{11} - 380 \times T_{10} + 9382T_9 - 358T_8 + 8383T_7 - 312T_6 + 6848T_5 - 242T_4 + 4851T_3 - 154T_2 + 2515T_1 - 53$$

d = 47; r₁ = 15;

$$\text{Disc} = 9505182805744070528678945312062295574209194996892825232313896559523940521$$

$$R = 35.70447$$

$$P = T_{47} + 7T_{45} + 28T_{43} + 84T_{41} + 210T_{39} - T_{38} + 459T_{37} - 6T_{36} + 903T_{35} - 21T_{34} + 1630T_{33} - 55 \times T_{32} + 2736T_{31} - 120T_{30} + 4310T_{29} - 229T_{28} + 6416T_{27} - 394T_{26} + 9069T_{25} - 622T_{24} + 12214T_{23} - 913 \times T_{22} + 15710T_{21} - 1256T_{20} + 19325T_{19} - 1628T_{18} + 22744T_{17} - 1993T_{16} + 25597T_{15} - 2307T_{14} + 27498 \times T_{13} - 2522T_{12} + 28094T_{11} - 2595T_{10} + 27120T_9 - 2492T_8 + 24445T_7 - 2200T_6 + 20104T_5 - 1726T_4 + 14310 \times T_3 - 1102T_2 + 7441T_1 - 379$$

d = 47; r₁ = 17;

$$\text{Disc} = -24439572500428974987566513274032097517586622205652943853226215317022598003$$

$$R = 36.42913$$

$$P = x^{47} - 576x^{43} - 4032x^{42} + 3264x^{41} + 74112x^{40} + 63968x^{39} - 574816x^{38} - 918592x^{37} + 2476192 \times x^{36} + 5565068x^{35} - 6457612x^{34} - 20515852x^{33} + 9855104x^{32} + 51882596x^{31} - 5228836x^{30} - 95703780x^{29} - 13445140x^{28} + 133658435x^{27} + 41121281x^{26} - 144808575x^{25} - 62419172x^{24} + 123693784x^{23} + 65149224 \times x^{22} - 84167076x^{21} - 50822681x^{20} + 45880247x^{19} + 30650908x^{18} - 20064147x^{17} - 14505881x^{16} + 7019627 \times x^{15} + 5411625x^{14} - 1949949x^{13} - 1586319x^{12} + 424282x^{11} + 361424x^{10} - 70735x^9 - 62720x^8 + 8721 \times x^7 + 8011x^6 - 749x^5 - 710x^4 + 40x^3 + 39x^2 - x - 1$$

d = 47; r₁ = 19;

$$\text{Disc} = 14693442096380032612286803258276089123139119507642301793211869039086655089$$

$$R = 36.03689$$

$$P = x^{47} - 5400x^{41} + 129600x^{39} + 16200x^{38} - 1293210x^{37} - 329400x^{36} + 7320530x^{35} + 2675430x^{34} - 26833231x^{33} - 12223680x^{32} + 68605527x^{31} + 36250073x^{30} - 128284282x^{29} - 75425840x^{28} + 181157298x^{27} + 115504940x^{26} - 197558298x^{25} - 134310576x^{24} + 168960373x^{23} + 121084948x^{22} - 114476954x^{21} - 85789049 \times x^{20} + 61796281x^{19} + 48150091x^{18} - 26620207x^{17} - 21476384x^{16} + 9127428x^{15} + 7601275x^{14} - 2472851 \times x^{13} - 2121007x^{12} + 522369x^{11} + 460678x^{10} - 84183x^9 - 76239x^8 + 9992x^7 + 9284x^6 - 823x^5 - 784x^4 + 42 \times x^3 + 41x^2 - x - 1$$

d = 47; r₁ = 21;

$$\text{Disc} = -11267869584656338672117275708896784964591310963446830597176292256093054154023$$

$$R = 41.50728$$

$$P = x^{47} + 7x^{46} - 13x^{45} - 172x^{44} - 110x^{43} + 1954x^{42} + 3838x^{41} - 14101x^{40} - 57078x^{39} + 45923x^{38} + 518018 \times x^{37} + 262112x^{36} - 2779664x^{35} - 3546467x^{34} + 8990952x^{33} + 17753492x^{32} - 17355035x^{31} - 53059200x^{30} + 16280138x^{29} + 106710204x^{28} + 8535370x^{27} - 152199164x^{26} - 53551797x^{25} + 157608352x^{24} + 91889724 \times x^{23} - 118688499x^{22} - 98370309x^{21} + 63162997x^{20} + 74349658x^{19} - 21292718x^{18} - 41225032x^{17} + 2212578 \times x^{16} + 16889678x^{15} + 2047896x^{14} - 5034508x^{13} - 1384507x^{12} + 1041193x^{11} + 465057x^{10} - 130874x^9 - 97631 \times x^8 + 4735x^7 + 12782x^6 + 1321x^5 - 915x^4 - 218x^3 + 19x^2 + 11x + 1$$

d = 47; r₁ = 23;

$$\text{Disc} = 2052633898923285257189410098412848480493054472230997442362377065519846207569$$

$$R = 40.03037$$

$$P = x^{47} - 18x^{45} - 1017x^{43} + 3600x^{42} + 26621x^{41} - 79800x^{40} - 291852x^{39} + 795940x^{38} + 1904333 \times x^{37} - 4751030x^{36} - 8344481x^{35} + 19057714x^{34} + 26115707x^{33} - 54724229x^{32} - 60617792x^{31} + 117055328 \times x^{30} + 107067083x^{29} - 191635632x^{28} - 146611991x^{27} + 244777658x^{26} + 157801297x^{25} - 247294949x^{24} - 134819808x^{23} + 199478996x^{22} + 92020599x^{21} - 129227390x^{20} - 50335982x^{19} + 67406144x^{18} + 22063052 \times x^{17} - 28288896x^{16} - 7719425x^{15} + 9510904x^{14} + 2138277x^{13} - 2539524x^{12} - 462407x^{11} + 530842x^{10} + 76345 \times x^9 - 84925x^8 - 9287x^7 + 10032x^6 + 784x^5 - 824x^4 - 41x^3 + 42x^2 + x - 1$$

d = 47; r₁ = 25;

$$\text{Disc} = -236988440160990696828259812497499635807794941248842847550685740384213964577179$$

$$R = 44.28644$$

$$P = T_{47} + 2T_{45} + 3T_{43} + 4T_{41} + 5T_{39} + 6T_{37} + 7T_{35} + 8T_{33} + 9T_{31} + 10T_{29} + 11T_{27} + 12T_{25} + 13T_{23} + 14 \times T_{21} + 14T_{19} + 14T_{17} + 13T_{15} + 12T_{13} + 10T_{11} + T_{10} + 9T_9 + 8T_7 + 6T_5 + 4T_3 + 2T_1$$

d = 47; r₁ = 27;

$$\text{Disc} = 1703405454887795258965984293232310794040565982000878039538512123991137352460921$$

$$R = 46.18449$$

$$P = x^{47} + 4x^{46} - 102x^{45} - 459x^{44} + 2502x^{43} + 13685x^{42} - 14900x^{41} - 190186x^{40} - 16915x^{39} + 1712681 \times x^{38} + 799554x^{37} - 10077998x^{36} - 5244495x^{35} + 40297459x^{34} + 18343100x^{33} - 114762471x^{32} - 40115694x^{31} + 241669559x^{30} + 56634904x^{29} - 386539782x^{28} - 47290636x^{27} + 478309135x^{26} + 8827567x^{25} - 463424753x^{24} + 35308729x^{23} + 353991846x^{22} - 57509026x^{21} - 213676345x^{20} + 51796191x^{19} + 101682986x^{18} - 32448348 \times x^{17} - 37846325x^{16} + 15030390x^{15} + 10844490x^{14} - 5249980x^{13} - 2323310x^{12} + 1383614x^{11} + 351189 \times x^{10} - 271399x^9 - 32325x^8 + 38450x^7 + 730x^6 - 3720x^5 + 215x^4 + 220x^3 - 26x^2 - 6x + 1$$

d = 47; r₁ = 29;

$$\text{Disc} = -20844842166658676327560276846161037507937940936071277741364140042407266329782659$$

$$R = 48.71226$$

$$P = T_{47} + T_{46} + T_{45} - T_{40} - T_{39} - T_{38} - T_{37} - T_{36} - T_{35} + T_{32} + T_{31} + 2T_{30} + T_{29} + T_{28} + T_{26} - T_{25} - T_{24} - 2 \times T_{23} - T_{22} - T_{21} + T_{18} + T_{17} + T_{16} + T_{15} - T_{12} - T_{11} - 2T_{10} - T_9 - T_8 + 2T_5 + 2T_4 + 2T_3 + T_2 + T_1 + 1$$

d = 47; r₁ = 31;

$$\text{Disc} = 32618752481360736587582487795919943819975637374127951919913865685179207741804224$$

$$R = 49.17857$$

$$P = T_{47} + 2T_{46} + 2T_{45} + 2T_{44} + T_{43} - T_{42} - 3T_{41} - 4T_{40} - 4T_{39} - 3T_{38} + 3T_{36} + 5T_{35} + 5T_{34} + 3T_{33} - 4 \times T_{31} - 5T_{30} - 4T_{29} - 2T_{28} + 2T_{27} + 5T_{26} + 6T_{25} + 4T_{24} + T_{23} - 3T_{22} - 6T_{21} - 5T_{20} - 3T_{19} + T_{18} + 4T_{17} + 5 \times T_{16} + 5T_{15} + 2T_{14} - T_{13} - 4T_{12} - 5T_{11} - 4T_{10} - 2T_9 + T_8 + 2T_7 + 3T_6 + 2T_5 - T_3 - 3T_2 - 3T_1 - 2$$

d = 47; r₁ = 33;

$$\text{Disc} = -89887964530349725039825116119210538948775749162199388122784799044763948621883883$$

$$R = 50.25075$$

$$P = T_{47} - T_{45} - T_{44} + T_{42} + T_{36} + T_{34} - T_{33} - 2T_{32} - T_{31} + 2T_{29} + T_{28} - T_{26} - 2T_{24} + 2T_{23} + T_{22} - T_{21} - T_{20} - T_{19} + T_{18} + T_{17} + T_{16} + T_{15} - 4T_{13} - T_{11} + T_{10} + 2T_9 - T_8 + T_5 + T_4 - 2T_2 - 2$$

d = 47; r₁ = 35;

$$\text{Disc} = 32320523458674037868613688830527836666537421369896665074498951874435592748523501997$$

$$R = 56.95355$$

$$P = T_{47} + T_{45} - T_{44} - T_{43} - T_{41} + 2T_{40} + T_{39} + T_{38} + 2T_{37} - 2T_{36} - T_{35} - 3T_{34} - 4T_{33} + 2T_{32} + T_{31} + 6 \times T_{30} + 5T_{29} - 2T_{28} - T_{27} - 9T_{26} - 6T_{25} - T_{24} + 11T_{22} + 6T_{21} + 4T_{20} - 2T_{19} - 12T_{18} - 8T_{17} - 8T_{16} + T_{15} + 10 \times T_{14} + 9T_{13} + 10T_{12} - 2T_{11} - 10T_{10} - 12T_9 - 11T_8 + 2T_7 + 8T_6 + 12T_5 + 9T_4 - 2T_3 - 7T_2 - 14T_1 - 8$$

d = 47; r₁ = 37;

$$\text{Disc} = -58401617936861406844611127375773149027732325756028828043364227839922176246761478567$$

$$R = 57.67502$$

$$P = T_{47} + 2T_{46} + T_{45} - T_{42} - 2T_{41} - T_{40} + T_{37} + T_{36} - 2T_{35} - 3T_{34} - T_{33} - T_{32} - T_{31} + 2T_{30} + 2 \times T_{29} - T_{28} + T_{26} - T_{25} + 2T_{23} - T_{21} - 2T_{19} - 3T_{18} + T_{17} + 3T_{16} + T_{15} - T_{13} - 3T_{12} - 2T_{11} + T_{10} + T_9 + T_8 + 3 \times T_7 + 2T_6 - T_5 - T_4 + T_1 + 2$$

d = 47; r₁ = 39;

$$\text{Disc} = 61549684250403821599797375184540770284286409686517682041036732750665648227143170922589$$

$$R = 66.88099$$

$$P = T_{47} - 2T_{45} - T_{44} + 2T_{42} + 2T_{41} - 2T_{38} - T_{37} - T_{36} - T_{35} + 3T_{34} + T_{33} + T_{32} - T_{31} - 2T_{30} + T_{29} - T_{28} + 2 \times T_{27} - T_{25} + T_{24} - 3T_{23} + T_{22} - T_{21} + T_{20} + 3T_{19} - 2T_{18} + 3T_{17} - 2T_{16} - T_{15} - 4T_{13} + 4T_{12} - T_{11} + 2 \times T_{10} + T_9 - 4T_8 + 4T_7 - 3T_6 + T_5 + T_4 - 2T_3 + 4T_2 - 5T_1 + 1$$

d = 47; r₁ = 41;

$$\text{Disc} = -1159054963427655662747247547171057394071680427953344726342093457017548517425615591681687$$

$$R = 71.19143$$

$$P = T_{47} - 2T_{45} + T_{44} + T_{43} - 2T_{42} + T_{41} + T_{40} - T_{39} + T_{38} - T_{37} - 2T_{36} + 2T_{35} + T_{34} - 2T_{33} + T_{32} + T_{31} - 3 \times T_{30} + T_{28} - 2T_{27} + T_{26} + 2T_{25} - T_{24} - 2T_{23} + T_{21} - T_{20} + T_{19} + T_{18} - T_{17} + 2T_{16} - T_{15} - 3T_{14} + 3T_{13} + 2 \times T_{12} - 2T_{11} + T_{10} + 2T_9 - 3T_8 - T_7 + 3T_6 - T_5 + 2T_3 - T_2 - T_1 - 1$$

d = 47; r₁ = 43;

$$\text{Disc} = 78981411295825526956648303461125769067888321584715798902642133643956769372036768072026021$$

$$R = 77.88193$$

$$P = T_{47} - T_{45} - 2T_{39} + 2T_{38} + T_{31} - 2T_{30} + 2T_{27} - 2T_{26} + 2T_{25} - 2T_{24} + 2T_{23} - T_{22} + 2T_{21} - 4T_{20} + 4T_{19} - 4T_{18} + 6 \times T_{17} - 6T_{16} + 4T_{15} - 4T_{14} + 4T_{13} - 4T_{12} + 5T_{11} - 6T_{10} + 4T_9 - 2T_8 + 4T_7 - 4T_6 + 2T_5 - 2T_4 + 2T_3 - 2T_2 + 2T_1 - 4$$

d = 47; r₁ = 45;

$$\text{Disc} = -3749115274619841074752863389120368500220183914015793718219798361517091740351970951387727600667$$

$$R = 97.93426$$

$$P = T_{47} - T_{43} - T_{42} - T_{41} - T_{39} + T_{37} + T_{36} + T_{35} + 2T_{34} + 2T_{33} + T_{32} - T_{29} - 3T_{28} - 3T_{27} - 2T_{26} - 2 \times \\ T_{25} - 2T_{24} + 2T_{22} + 2T_{21} + 2T_{20} + 4T_{19} + 4T_{18} + 2T_{17} + T_{16} + T_{15} - T_{14} - 4T_{13} - 4T_{12} - 3T_{11} - 4T_{10} - 4 \times \\ T_9 - T_8 + T_7 + T_6 + 2T_5 + 5T_4 + 5T_3 + 3T_2 + 3T_1 + 3$$

d = 47; r₁ = 47;

$$\text{Disc} = 804670319527816647115626091900254880298797355979720812711163405278855761753661439138555324340609$$

$$R = 109.78552$$

$$P = T_{47} - 2T_{45} - T_{42} + T_{41} + 2T_{40} + 2T_{37} - 2T_{35} - 2T_{34} - 2T_{33} - T_{32} + 2T_{30} + 3T_{29} + 2T_{28} + T_{27} + T_{26} - 4 \times \\ T_{24} - 4T_{23} - 2T_{22} - 2T_{21} + T_{20} + 4T_{19} + 4T_{18} + 3T_{17} + 2T_{16} - 2T_{14} - 4T_{13} - 6T_{12} - 3T_{11} + T_9 + 5T_8 + 6 \times \\ T_7 + 3T_6 + T_5 - 3T_3 - 6T_2 - 5T_1 - 3$$

d = 48; r₁ = 0;

Disc = 2903536045849826207975095458934217210146513113250589328444817

R = 18.18211

$P = x^{48} + 14x^{47} + 113x^{46} + 658x^{45} + 3049x^{44} + 11819x^{43} + 39567x^{42} + 116862x^{41} + 309321x^{40} + 742535 \times x^{39} + 1632114x^{38} + 3310841x^{37} + 6240317x^{36} + 10992475x^{35} + 18190085x^{34} + 28403582x^{33} + 42012903x^{32} + 59054095x^{31} + 79079680x^{30} + 101070638x^{29} + 123440452x^{28} + 144166857x^{27} + 161059903x^{26} + 172132548 \times x^{25} + 175990839x^{24} + 172132548x^{23} + 161059903x^{22} + 144166857x^{21} + 123440452x^{20} + 101070638x^{19} + 79079680x^{18} + 59054095x^{17} + 42012903x^{16} + 28403582x^{15} + 18190085x^{14} + 10992475x^{13} + 6240317 \times x^{12} + 3310841x^{11} + 1632114x^{10} + 742535x^9 + 309321x^8 + 116862x^7 + 39567x^6 + 11819x^5 + 3049x^4 + 658 \times x^3 + 113x^2 + 14x + 1$

d = 48; r₁ = 2;

Disc = -65563349252765789237657625099193903039317797441974320563013959

R = 19.40203

$P = x^{48} + 12x^{47} + 83x^{46} + 419x^{45} + 1697x^{44} + 5806x^{43} + 17328x^{42} + 46117x^{41} + 111205x^{40} + 245887 \times x^{39} + 503165x^{38} + 959891x^{37} + 1717190x^{36} + 2894491x^{35} + 4615149x^{34} + 6983361x^{33} + 10054802x^{32} + 13806325x^{31} + 18112364x^{30} + 22736166x^{29} + 27342028x^{28} + 31530413x^{27} + 34892031x^{26} + 37071352 \times x^{25} + 37826393x^{24} + 37071352x^{23} + 34892031x^{22} + 31530413x^{21} + 27342028x^{20} + 22736166x^{19} + 18112364 \times x^{18} + 13806325x^{17} + 10054802x^{16} + 6983361x^{15} + 4615149x^{14} + 2894491x^{13} + 1717190x^{12} + 959891 \times x^{11} + 503165x^{10} + 245887x^9 + 111205x^8 + 46117x^7 + 17328x^6 + 5806x^5 + 1697x^4 + 419x^3 + 83x^2 + 12x + 1$

d = 48; r₁ = 4;

Disc = 183285996161263220385243379300399314878052127078491212566395301

R = 19.82205

$P = x^{48} + 17x^{47} + 142x^{46} + 784x^{45} + 3245x^{44} + 10796x^{43} + 30146x^{42} + 72722x^{41} + 154680x^{40} + 294392 \times x^{39} + 506635x^{38} + 793826x^{37} + 1136030x^{36} + 1482690x^{35} + 1749654x^{34} + 1824945x^{33} + 1585675x^{32} + 926097 \times x^{31} - 207102x^{30} - 1780967x^{29} - 3656390x^{28} - 5594448x^{27} - 7294953x^{26} - 8461809x^{25} - 8877437x^{24} - 8461809x^{23} - 7294953x^{22} - 5594448x^{21} - 3656390x^{20} - 1780967x^{19} - 207102x^{18} + 926097x^{17} + 1585675 \times x^{16} + 1824945x^{15} + 1749654x^{14} + 1482690x^{13} + 1136030x^{12} + 793826x^{11} + 506635x^{10} + 294392x^9 + 154680 \times x^8 + 72722x^7 + 30146x^6 + 10796x^5 + 3245x^4 + 784x^3 + 142x^2 + 17x + 1$

d = 48; r₁ = 6;

Disc = -191755105304044765688867213362682177576520523550880657884677692479

R = 22.91170

$P = x^{48} + 14x^{47} + 101x^{46} + 497x^{45} + 1854x^{44} + 5506x^{43} + 13234x^{42} + 25225x^{41} + 33921x^{40} + 10757 \times x^{39} - 116676x^{38} - 496719x^{37} - 1389159x^{36} - 3190897x^{35} - 6432031x^{34} - 11721391x^{33} - 19628902x^{32} - 30511855x^{31} - 44318915x^{30} - 60430547x^{29} - 77604069x^{28} - 94075443x^{27} - 107827908x^{26} - 116979537x^{25} - 120191681x^{24} - 116979537x^{23} - 107827908x^{22} - 94075443x^{21} - 77604069x^{20} - 60430547x^{19} - 44318915 \times x^{18} - 30511855x^{17} - 19628902x^{16} - 11721391x^{15} - 6432031x^{14} - 3190897x^{13} - 1389159x^{12} - 496719 \times x^{11} - 116676x^{10} + 10757x^9 + 33921x^8 + 25225x^7 + 13234x^6 + 5506x^5 + 1854x^4 + 497x^3 + 101x^2 + 14x + 1$

d = 48; r₁ = 8;

Disc = 1464085943896510564880420687325453150148628369321333597380778663221

R = 23.90283

$P = x^{48} + 15x^{47} + 109x^{46} + 520x^{45} + 1834x^{44} + 5056x^{43} + 11171x^{42} + 19799x^{41} + 27181x^{40} + 25061 \times x^{39} + 3072x^{38} - 43672x^{37} - 104017x^{36} - 145058x^{35} - 121487x^{34} - 4731x^{33} + 177406x^{32} + 315026x^{31} + 231996x^{30} - 245606x^{29} - 1190261x^{28} - 2494005x^{27} - 3863304x^{26} - 4909290x^{25} - 5301173x^{24} - 4909290 \times x^{23} - 3863304x^{22} - 2494005x^{21} - 1190261x^{20} - 245606x^{19} + 231996x^{18} + 315026x^{17} + 177406x^{16} - 4731 \times x^{15} - 121487x^{14} - 145058x^{13} - 104017x^{12} - 43672x^{11} + 3072x^{10} + 25061x^9 + 27181x^8 + 19799x^7 + 11171 \times x^6 + 5056x^5 + 1834x^4 + 520x^3 + 109x^2 + 15x + 1$

d = 48; r₁ = 10;

Disc = -155812449293134012601376333786945394256833519396928295559855674726191

R = 26.34385

$P = x^{48} + 14x^{47} + 89x^{46} + 341x^{45} + 874x^{44} + 1566x^{43} + 2043x^{42} + 2375x^{41} + 4139x^{40} + 9780x^{39} + 18176 \times x^{38} + 18301x^{37} - 11157x^{36} - 87414x^{35} - 195921x^{34} - 269450x^{33} - 204930x^{32} + 67506x^{31} + 495276 \times x^{30} + 870066x^{29} + 915867x^{28} + 476825x^{27} - 323144x^{26} - 1096948x^{25} - 1416701x^{24} - 1096948x^{23} - 323144 \times x^{22} + 476825x^{21} + 915867x^{20} + 870066x^{19} + 495276x^{18} + 67506x^{17} - 204930x^{16} - 269450x^{15} - 195921 \times x^{14} - 87414x^{13} - 11157x^{12} + 18301x^{11} + 18176x^{10} + 9780x^9 + 4139x^8 + 2375x^7 + 2043x^6 + 1566x^5 + 874 \times x^4 + 341x^3 + 89x^2 + 14x + 1$

d = 48; r₁ = 12;

Disc = 89324158938179872262928093793896251204908000979889123697194126567961

$R = 26.04025$

$P = x^{48} + 24x^{47} + 272x^{46} + 1932x^{45} + 9562x^{44} + 34276x^{43} + 87183x^{42} + 131827x^{41} - 43503x^{40} - 993142 \times x^{39} - 3535204x^{38} - 7839970x^{37} - 11267538x^{36} - 5907493x^{35} + 20806727x^{34} + 77971248x^{33} + 155390917x^{32} + 210299552x^{31} + 175541917x^{30} + 829103x^{29} - 289939048x^{28} - 572681673x^{27} - 671766214x^{26} - 472737301 \times x^{25} - 22310434x^{24} + 472742945x^{23} + 765096809x^{22} + 722790112x^{21} + 404704364x^{20} + 4283118x^{19} - 284362931x^{18} - 373577594x^{17} - 298023292x^{16} - 154825451x^{15} - 30229602x^{14} + 37897349x^{13} + 54895890 \times x^{12} + 44294410x^{11} + 26919659x^{10} + 13254674x^9 + 5423818x^8 + 1858014x^7 + 531238x^6 + 125328x^5 + 23890 \times x^4 + 3554x^3 + 389x^2 + 28x + 1$

d = 48; r₁ = 14;

Disc = -19065288895285228601685054970366796346477152975527009517979064440616591

$R = 29.11868$

$P = x^{48} + 8x^{47} + 8x^{46} - 102x^{45} - 300x^{44} + 412x^{43} + 2946x^{42} + 1717x^{41} - 14297x^{40} - 28497x^{39} + 25439 \times x^{38} + 146623x^{37} + 87669x^{36} - 387009x^{35} - 698656x^{34} + 391024x^{33} + 2242967x^{32} + 991226x^{31} - 4364458 \times x^{30} - 5271267x^{29} + 4990582x^{28} + 12474173x^{27} - 1016742x^{26} - 19199836x^{25} - 8502139x^{24} + 19725728 \times x^{23} + 19195523x^{22} - 11358134x^{21} - 23380015x^{20} - 1053444x^{19} + 17656240x^{18} + 8763804x^{17} - 7223571 \times x^{16} - 8257648x^{15} - 7407x^{14} + 3786429x^{13} + 1694273x^{12} - 622269x^{11} - 820629x^{10} - 187632x^9 + 118932 \times x^8 + 91998x^7 + 18706x^6 - 5808x^5 - 4818x^4 - 1472x^3 - 252x^2 - 24x - 1$

d = 48; r₁ = 16;

Disc = 42837139317010020209274355926019507862970218915678239563932455558709248

$R = 29.61394$

$P = x^{48} + 12x^{47} + 50x^{46} + 44x^{45} - 273x^{44} - 710x^{43} + 394x^{42} + 3202x^{41} + 1252x^{40} - 8424x^{39} - 7751 \times x^{38} + 14862x^{37} + 20724x^{36} - 17794x^{35} - 35798x^{34} + 12138x^{33} + 41979x^{32} + 2902x^{31} - 28958x^{30} - 22372 \times x^{29} - 2100x^{28} + 39130x^{27} + 35181x^{26} - 48330x^{25} - 49401x^{24} + 48330x^{23} + 35181x^{22} - 39130x^{21} - 2100 \times x^{20} + 22372x^{19} - 28958x^{18} - 2902x^{17} + 41979x^{16} - 12138x^{15} - 35798x^{14} + 17794x^{13} + 20724x^{12} - 14862 \times x^{11} - 7751x^{10} + 8424x^9 + 1252x^8 - 3202x^7 + 394x^6 + 710x^5 - 273x^4 - 44x^3 + 50x^2 - 12x + 1$

d = 48; r₁ = 18;

Disc = -8464413967573056380840811516547265062828852354288661568379154159861443679

$R = 33.06168$

$P = x^{48} + 16x^{47} + 88x^{46} + 114x^{45} - 707x^{44} - 2646x^{43} + 253x^{42} + 15749x^{41} + 19045x^{40} - 42893x^{39} - 112116 \times x^{38} + 23253x^{37} + 334768x^{36} + 263513x^{35} - 538398x^{34} - 1150716x^{33} + 6592x^{32} + 2512288x^{31} + 2484257 \times x^{30} - 2701575x^{29} - 7051499x^{28} - 1132807x^{27} + 10381308x^{26} + 9295980x^{25} - 7335909x^{24} - 16199886 \times x^{23} - 2243067x^{22} + 14938362x^{21} + 10859373x^{20} - 6256276x^{19} - 11592304x^{18} - 1825772x^{17} + 6218658 \times x^{16} + 4053616x^{15} - 1208034x^{14} - 2387117x^{13} - 566642x^{12} + 635759x^{11} + 462773x^{10} + 6024x^9 - 124716 \times x^8 - 57838x^7 + 264x^6 + 11264x^5 + 5756x^4 + 1564x^3 + 256x^2 + 24x + 1$

d = 48; r₁ = 20;

Disc = 473545170791092674833131090298281847954156675767440474009153288875666021

$R = 31.13413$

$P = x^{48} + 5x^{47} - 26x^{46} - 160x^{45} + 253x^{44} + 2307x^{43} - 673x^{42} - 19761x^{41} - 8831x^{40} + 111073x^{39} + 113141x^{38} - 422652x^{37} - 683361x^{36} + 1052341x^{35} + 2672336x^{34} - 1352965x^{33} - 7285504x^{32} - 1098262 \times x^{31} + 13944370x^{30} + 9782520x^{29} - 17645426x^{28} - 24611434x^{27} + 10804912x^{26} + 37184470x^{25} + 7822125 \times x^{24} - 35417551x^{23} - 26817902x^{22} + 17394104x^{21} + 31301403x^{20} + 3396549x^{19} - 19749309x^{18} - 12301889 \times x^{17} + 5001923x^{16} + 8872901x^{15} + 2056043x^{14} - 2728394x^{13} - 2084196x^{12} - 68458x^{11} + 586652x^{10} + 284031 \times x^9 - 6864x^8 - 58272x^7 - 23331x^6 - 1439x^5 + 2074x^4 + 915x^3 + 190x^2 + 21x + 1$

d = 48; r₁ = 22;

Disc = -161370273548874266103594982804362417282771212732522330964904879569761764811

$R = 35.15575$

$P = x^{48} + 8x^{47} - 4x^{46} - 186x^{45} - 291x^{44} + 1750x^{43} + 4903x^{42} - 8277x^{41} - 39883x^{40} + 12387x^{39} + 206597 \times x^{38} + 101552x^{37} - 726015x^{36} - 841227x^{35} + 1711890x^{34} + 3395204x^{33} - 2368298x^{32} - 9092294x^{31} + 203221 \times x^{30} + 17383947x^{29} + 7859513x^{28} - 23990024x^{27} - 21778363x^{26} + 22707857x^{25} + 35629412x^{24} - 11176930 \times x^{23} - 40603789x^{22} - 5118247x^{21} + 32663412x^{20} + 16364067x^{19} - 16987543x^{18} - 17060130x^{17} + 3429973 \times x^{16} + 10408981x^{15} + 2414512x^{14} - 3556102x^{13} - 2351397x^{12} + 290016x^{11} + 840946x^{10} + 263599x^9 - 91778 \times x^8 - 92033x^7 - 21861x^6 + 4609x^5 + 4591x^4 + 1449x^3 + 251x^2 + 24x + 1$

d = 48; r₁ = 24;

Disc = 11931026189640188679593505842175761721360212020107073169180177912304374378101

$R = 38.45305$

$$P = x^{48} + 21x^{47} + 132x^{46} + 31x^{45} - 2233x^{44} - 4763x^{43} + 9153x^{42} + 23398x^{41} - 2744x^{40} + 143995 \times x^{39} + 30740x^{38} - 2192865x^{37} - 1227615x^{36} + 13258856x^{35} + 10015095x^{34} - 52387951x^{33} - 49721053 \times x^{32} + 148269967x^{31} + 178349651x^{30} - 299275908x^{29} - 476452260x^{28} + 397850332x^{27} + 941154882 \times x^{26} - 241686774x^{25} - 1346751873x^{24} - 241665186x^{23} + 1338648186x^{22} + 774172624x^{21} - 826328536 \times x^{20} - 935055890x^{19} + 175936236x^{18} + 646653482x^{17} + 176258258x^{16} - 240537590x^{15} - 178120812 \times x^{14} + 16631200x^{13} + 67148977x^{12} + 23521145x^{11} - 7314914x^{10} - 8292591x^9 - 2103110x^8 + 432086 \times x^7 + 451929x^6 + 141185x^5 + 22046x^4 + 1219x^3 - 135x^2 - 24x - 1$$

d = 48; r₁ = 26;

$$\text{Disc} = -567035219794353274970092980153143380596660362176713221102091387355844728324096$$

$$R = 41.67416$$

$$P = x^{48} - 25x^{46} + 279x^{44} - 1815x^{42} + 7471x^{40} - 19250x^{38} + 25347x^{36} + 12591x^{34} - 124777x^{32} + 238872 \times x^{30} - 170673x^{28} - 153758x^{26} + 495001x^{24} - 534978x^{22} + 284755x^{20} + 9492x^{18} - 248803x^{16} + 440931 \times x^{14} - 488475x^{12} + 342950x^{10} - 146395x^8 + 35201x^6 - 4101x^4 + 159x^2 - 1$$

d = 48; r₁ = 28;

$$\text{Disc} = 108092218539905621975241299504962187927604488357900169796388883426171850370849$$

$$R = 40.25972$$

$$P = x^{48} + 8x^{47} - 16x^{46} - 286x^{45} - 306x^{44} + 3612x^{43} + 8126x^{42} - 22237x^{41} - 72626x^{40} + 84175x^{39} + 383084x^{38} - 245376x^{37} - 1457305x^{36} + 662325x^{35} + 4431921x^{34} - 1660668x^{33} - 11256344x^{32} + 3392986x^{31} + 24126600 \times x^{30} - 4787223x^{29} - 43578356x^{28} + 2522740x^{27} + 65810222x^{26} + 7953126x^{25} - 81353968x^{24} - 27606735 \times x^{23} + 78685737x^{22} + 48229260x^{21} - 54264680x^{20} - 55478236x^{19} + 20222944x^{18} + 43016520x^{17} + 3939672 \times x^{16} - 21005557x^{15} - 9951534x^{14} + 4831558x^{13} + 5602862x^{12} + 688142x^{11} - 1315912x^{10} - 704776x^9 - 6752 \times x^8 + 123554x^7 + 49850x^6 + 4400x^5 - 2974x^4 - 1288x^3 - 244x^2 - 24x - 1$$

d = 48; r₁ = 30;

$$\text{Disc} = -6474926902661863769403929091316253819811814169222128586374351266632856120983659$$

$$R = 43.84305$$

$$P = x^{48} + 2x^{47} - 57x^{46} - 103x^{45} + 1371x^{44} + 2356x^{43} - 18272x^{42} - 31555x^{41} + 150245x^{40} + 273660 \times x^{39} - 803912x^{38} - 1616925x^{37} + 2862971x^{36} + 6737351x^{35} - 6682722x^{34} - 20332304x^{33} + 8973352 \times x^{32} + 45204899x^{31} - 952521x^{30} - 74424183x^{29} - 25156233x^{28} + 89577360x^{27} + 63447726x^{26} - 74526621 \times x^{25} - 92445634x^{24} + 33397428x^{23} + 92473854x^{22} + 9959973x^{21} - 64276867x^{20} - 32477117x^{19} + 27622515 \times x^{18} + 29994978x^{17} - 2723035x^{16} - 15734265x^{15} - 5105994x^{14} + 4259045x^{13} + 3543096x^{12} + 45182 \times x^{11} - 992863x^{10} - 405305x^9 + 57727x^8 + 99628x^7 + 29633x^6 - 2057x^5 - 4130x^4 - 1403x^3 - 249x^2 - 24x - 1$$

d = 48; r₁ = 32;

$$\text{Disc} = 14090801485715523241864189201126623029329872116565960321607641329926171531411456$$

$$R = 44.55907$$

$$P = T_{48} + 11T_{46} + 67T_{44} + 296T_{42} + 1067T_{40} + 3310T_{38} + 9132T_{36} + 22830T_{34} + 52320T_{32} + 110754 \times T_{30} + 217708T_{28} + 398976T_{26} + 683787T_{24} + 1098566T_{22} + 1657312T_{20} + 2350095T_{18} + 3132855T_{16} + 3922660 \times T_{14} + 4602334T_{12} + 5036413T_{10} + 5096998T_8 + 4694293T_6 + 3803808T_4 + 2481751T_2 + 862567$$

d = 48; r₁ = 34;

$$\text{Disc} = -2246411740765623373478916652158137006598893690972342490952262478371029604238672451$$

$$R = 49.52480$$

$$P = x^{48} + 13x^{47} + 33x^{46} - 253x^{45} - 1377x^{44} + 1231x^{43} + 20028x^{42} + 13707x^{41} - 172265x^{40} - 268772 \times x^{39} + 1045426x^{38} + 2286303x^{37} - 5029480x^{36} - 12688109x^{35} + 20930092x^{34} + 49989377x^{33} - 77437659 \times x^{32} - 140637890x^{31} + 243781668x^{30} + 267789721x^{29} - 607477844x^{28} - 281187968x^{27} + 1122224117 \times x^{26} - 49660680x^{25} - 1443868071x^{24} + 690239103x^{23} + 1173065106x^{22} - 1151968220x^{21} - 427835525 \times x^{20} + 1012471700x^{19} - 179799416x^{18} - 485375526x^{17} + 299639984x^{16} + 81344320x^{15} - 147995194x^{14} + 34525936x^{13} + 28414624x^{12} - 19812459x^{11} + 1682153x^{10} + 2872697x^9 - 1274790x^8 + 94916x^7 + 86116 \times x^6 - 29887x^5 + 2497x^4 + 713x^3 - 219x^2 + 24x - 1$$

d = 48; r₁ = 36;

$$\text{Disc} = 5400871287605363258197909146483542712192402528592552001536000000000000000000000000$$

$$R = 50.43821$$

$$P = x^{48} - 31x^{46} + 417x^{44} - 3225x^{42} + 15976x^{40} - 53190x^{38} + 120433x^{36} - 179979x^{34} + 154302x^{32} - 14620 \times x^{30} - 154255x^{28} + 250640x^{26} - 272939x^{24} + 250640x^{22} - 154255x^{20} - 14620x^{18} + 154302x^{16} - 179979 \times x^{14} + 120433x^{12} - 53190x^{10} + 15976x^8 - 3225x^6 + 417x^4 - 31x^2 + 1$$

d = 48; r₁ = 38;

$$\text{Disc} = -1018975252480348229401124888810393948108184327065827133704763672403743893803136712704$$

$$R = 56.25616$$

d = 49; r₁ = 1;

Disc = 202712665883553219430352030806291750628453343052696135055149641586064

R = 24.77525

$P = x^{49} + 14x^{48} + 93x^{47} + 360x^{46} + 723x^{45} - 409x^{44} - 7953x^{43} - 24989x^{42} - 18887x^{41} + 160655 \times x^{40} + 838166x^{39} + 2197042x^{38} + 2864668x^{37} - 3339278x^{36} - 32075573x^{35} - 111663542x^{34} - 279770945 \times x^{33} - 570525901x^{32} - 996669390x^{31} - 1540108558x^{30} - 2163332360x^{29} - 2837643598x^{28} - 3562913520 \times x^{27} - 4351311689x^{26} - 5176258933x^{25} - 5927028817x^{24} - 6418730345x^{23} - 6469045631x^{22} - 5996832411 \times x^{21} - 5075055212x^{20} - 3902730511x^{19} - 2718000529x^{18} - 1708516085x^{17} - 964808518x^{16} - 485780306 \times x^{15} - 215331651x^{14} - 82204561x^{13} - 25948907x^{12} - 6205820x^{11} - 860547x^{10} + 31526x^9 + 8085x^8 - 43846 \times x^7 - 38389x^6 - 18838x^5 - 6459x^4 - 1618x^3 - 290x^2 - 34x - 2$

d = 49; r₁ = 3;

Disc = -7433051517944766495953083542831694221746659468224305682809714581200575

R = 26.66504

$P = x^{49} + 6x^{48} + 24x^{47} + 76x^{46} + 204x^{45} + 486x^{44} + 1051x^{43} + 2099x^{42} + 3915x^{41} + 6878x^{40} + 11455 \times x^{39} + 18176x^{38} + 27588x^{37} + 40184x^{36} + 56319x^{35} + 76114x^{34} + 99374x^{33} + 125525x^{32} + 153596x^{31} + 182252 \times x^{30} + 209879x^{29} + 234729x^{28} + 255092x^{27} + 269479x^{26} + 276803x^{25} + 276497x^{24} + 268594x^{23} + 253714 \times x^{22} + 232989x^{21} + 207932x^{20} + 180255x^{19} + 151690x^{18} + 123817x^{17} + 97932x^{16} + 74966x^{15} + 55457 \times x^{14} + 39576x^{13} + 27186x^{12} + 17929x^{11} + 11315x^{10} + 6806x^9 + 3882x^8 + 2086x^7 + 1047x^6 + 485x^5 + 204 \times x^4 + 76x^3 + 24x^2 + 6x + 1$

d = 49; r₁ = 5;

Disc = 865415030275165988875083194025304315217652906634213266873083371946899993

R = 29.38371

$P = x^{49} + 18x^{48} + 156x^{47} + 847x^{46} + 3098x^{45} + 7277x^{44} + 6385x^{43} - 29797x^{42} - 167737x^{41} - 468897 \times x^{40} - 812635x^{39} - 591509x^{38} + 1392783x^{37} + 6110594x^{36} + 12035015x^{35} + 12505806x^{34} - 3371904x^{33} - 40809773x^{32} - 78542510x^{31} - 45983617x^{30} + 180189282x^{29} + 736751604x^{28} + 1690015902x^{27} + 2945677931 \times x^{26} + 4220845074x^{25} + 5128717673x^{24} + 5353981298x^{23} + 4818730361x^{22} + 3726687965x^{21} + 2451939486 \times x^{20} + 1348269627x^{19} + 603798658x^{18} + 216385283x^{17} + 70247440x^{16} + 36259497x^{15} + 31457336x^{14} + 24811292x^{13} + 14547349x^{12} + 5886247x^{11} + 1192032x^{10} - 381236x^9 - 509151x^8 - 287279x^7 - 113810 \times x^6 - 34741x^5 - 8368x^4 - 1576x^3 - 222x^2 - 21x - 1$

d = 49; r₁ = 7;

Disc = -190047498464143849827706269509777385405092272860743703145274499453764350987

R = 32.80161

$P = x^{49} + 10x^{48} + 40x^{47} + 67x^{46} - 26x^{45} - 287x^{44} - 344x^{43} + 222x^{42} + 728x^{41} + 144x^{40} - 442x^{39} + 173 \times x^{38} - 170x^{37} - 1218x^{36} + 1106x^{35} + 1700x^{34} - 4041x^{33} - 1142x^{32} + 9107x^{31} - 364x^{30} - 12186x^{29} + 3201 \times x^{28} + 8343x^{27} - 5593x^{26} + 2023x^{25} + 2556x^{24} - 11118x^{23} + 7440x^{22} + 9787x^{21} - 16452x^{20} + 1799x^{19} + 14334 \times x^{18} - 11934x^{17} - 2562x^{16} + 10598x^{15} - 6445x^{14} - 1820x^{13} + 5624x^{12} - 3456x^{11} - 611x^{10} + 2396x^9 - 1413 \times x^8 - 132x^7 + 646x^6 - 344x^5 + 11x^4 + 75x^3 - 41x^2 + 10x - 1$

d = 49; r₁ = 9;

Disc = 563018724922577048411462111444878148932299249903119447796471351287392138009

R = 33.53674

$P = x^{49} - 16x^{47} + 4x^{46} + 120x^{45} - 60x^{44} - 562x^{43} + 420x^{42} + 1848x^{41} - 1850x^{40} - 4556x^{39} + 5850 \times x^{38} + 8795x^{37} - 14349x^{36} - 13682x^{35} + 28665x^{34} + 17414x^{33} - 48103x^{32} - 18314x^{31} + 69168x^{30} + 16479 \times x^{29} - 86167x^{28} - 14225x^{27} + 93294x^{26} + 14316x^{25} - 87636x^{24} - 17980x^{23} + 70653x^{22} + 23902x^{21} - 46984 \times x^{20} - 28200x^{19} + 23049x^{18} + 27328x^{17} - 4817x^{16} - 21316x^{15} - 5229x^{14} + 12832x^{13} + 7906x^{12} - 5247 \times x^{11} - 5965x^{10} + 922x^9 + 3005x^8 + 504x^7 - 990x^6 - 539x^5 + 68x^4 + 163x^3 + 68x^2 + 13x + 1$

d = 49; r₁ = 11;

Disc = -12494794010724840365694137230799011383372112171098845595311243923292627238311

R = 35.72683

$P = T_{49} + 4T_{47} + 10T_{45} + 22T_{43} + 43T_{41} + 76T_{39} + 125T_{37} + 194T_{35} + 286T_{33} + 403T_{31} + 545T_{29} + 709 \times T_{27} + 890T_{25} + 1079T_{23} + 1264T_{21} + 1432T_{19} + 1568T_{17} + 1657T_{15} + 1686T_{13} + 1645T_{11} + 1528T_9 + 1335 \times T_7 + 1072T_5 + 750T_3 + 386T_1 - 1$

d = 49; r₁ = 13;

Disc = 5889556518223208837889685342105587043048503628438591922164309143477462808621

R = 35.18262

$$P = T_{49} + 8T_{48} + 37T_{47} + 132T_{46} + 399T_{45} + 1066T_{44} + 2585T_{43} + 5794T_{42} + 12158T_{41} + 24110T_{40} + 45515 \times T_{39} + 82274T_{38} + 143070T_{37} + 240252T_{36} + 390834T_{35} + 617548T_{34} + 949872T_{33} + 1424926T_{32} + 2088091 \times T_{31} + 2993189T_{30} + 4202054T_{29} + 5783330T_{28} + 7810341T_{27} + 10357929T_{26} + 13498242T_{25} + 17295502T_{24} + 21799904T_{23} + 27040939T_{22} + 33020500T_{21} + 39706251T_{20} + 47025827T_{19} + 54862460T_{18} + 63052621T_{17} + 71386188T_{16} + 79609582T_{15} + 87432104T_{14} + 94535474T_{13} + 100586398T_{12} + 105251656T_{11} + 108214986 \times T_{10} + 109194844T_9 + 107961906T_8 + 104355162T_7 + 98295399T_6 + 89795001T_5 + 78963214T_4 + 66006227 \times T_3 + 51221842T_2 + 34988828T_1 + 17751444$$

d = 49; r₁ = 15;

$$\text{Disc} = -597409000101749712471440299228851702212415956942437213345151056591488339830291$$

$$R = 38.66080$$

$$P = x^{49} - 16x^{47} - 3x^{46} + 72x^{45} + 45x^{44} + 17x^{43} + 277x^{42} - 1218x^{41} - 5387x^{40} - 401x^{39} + 29809x^{38} + 50660 \times x^{37} - 61751x^{36} - 304799x^{35} - 142251x^{34} + 903380x^{33} + 1373493x^{32} - 1209661x^{31} - 4516225x^{30} - 1115776 \times x^{29} + 8269255x^{28} + 8552264x^{27} - 7310481x^{26} - 18446352x^{25} - 3228335x^{24} + 21084665x^{23} + 18426190 \times x^{22} - 9703910x^{21} - 24360794x^{20} - 7575316x^{19} + 14712158x^{18} + 15061567x^{17} - 277472x^{16} - 9349871 \times x^{15} - 5655029x^{14} + 1192348x^{13} + 3265880x^{12} + 1484964x^{11} - 287716x^{10} - 642373x^9 - 295926x^8 - 15746 \times x^7 + 52821x^6 + 33087x^5 + 11112x^4 + 2387x^3 + 330x^2 + 27x + 1$$

d = 49; r₁ = 17;

$$\text{Disc} = 2900764691475149351386626692894707776405026697269108746720548949407143581619269$$

$$R = 39.92784$$

$$P = T_{49} + 8T_{47} + 36T_{45} + 120T_{43} + 330T_{41} + 790T_{39} + 1697T_{37} + 3335T_{35} - 2T_{34} + 6072T_{33} - 12T_{32} + 10338 \times T_{31} - 42T_{30} + 16573T_{29} - 112T_{28} + 25146T_{27} - 250T_{26} + 36246T_{25} - 488T_{24} + 49771T_{23} - 854T_{22} + 65227 \times T_{21} - 1363T_{20} + 81674T_{19} - 2001T_{18} + 97734T_{17} - 2723T_{16} + 111684T_{15} - 3447T_{14} + 121636T_{13} - 4063 \times T_{12} + 125785T_{11} - 4449T_{10} + 122691T_9 - 4495T_8 + 111542T_7 - 4129T_6 + 92352T_5 - 3337T_4 + 66054 \times T_3 - 2173T_2 + 34446T_1 - 755$$

d = 49; r₁ = 19;

$$\text{Disc} = -18358062484901424584166841482754916869312296517754127172256483027646962354123343$$

$$R = 41.45998$$

$$P = x^{49} + 5x^{48} - 16x^{47} - 131x^{46} - 55x^{45} + 1365x^{44} + 2910x^{43} - 5739x^{42} - 28385x^{41} - 8329x^{40} + 134713x^{39} + 216931x^{38} - 281626x^{37} - 1142962x^{36} - 361680x^{35} + 3079332x^{34} + 4217051x^{33} - 3509902x^{32} - 13063543 \times x^{31} - 4818574x^{30} + 20733506x^{29} + 26595323x^{28} - 10934102x^{27} - 48480003x^{26} - 24025100x^{25} + 41966991 \times x^{24} + 59787435x^{23} + 222645x^{22} - 58054899x^{21} - 41814558x^{20} + 18227885x^{19} + 44010831x^{18} + 17307769 \times x^{17} - 16097056x^{16} - 20465389x^{15} - 4859803x^{14} + 6536725x^{13} + 6169670x^{12} + 1334613x^{11} - 1281302 \times x^{10} - 1178054x^9 - 365510x^8 + 55353x^7 + 105046x^6 + 51861x^5 + 15348x^4 + 2998x^3 + 382x^2 + 29x + 1$$

d = 49; r₁ = 21;

$$\text{Disc} = 317630646233656869789845186581523003564217948235100299515998288311688834109866209$$

$$R = 43.94368$$

$$P = x^{49} + 3x^{48} + 3x^{47} - 3x^{46} + 172x^{45} + 541x^{44} - 1395x^{43} - 8687x^{42} - 6384x^{41} + 43193x^{40} + 108508 \times x^{39} - 19542x^{38} - 464260x^{37} - 626865x^{36} + 563438x^{35} + 2560955x^{34} + 1973741x^{33} - 3427038x^{32} - 8445621 \times x^{31} - 3461265x^{30} + 11026126x^{29} + 17952200x^{28} + 2750274x^{27} - 21999471x^{26} - 25576508x^{25} + 1149047 \times x^{24} + 28873141x^{23} + 24886621x^{22} - 5054298x^{21} - 25464080x^{20} - 16653028x^{19} + 5372638x^{18} + 15072128 \times x^{17} + 7681540x^{16} - 2965276x^{15} - 5863175x^{14} - 2456254x^{13} + 871331x^{12} + 1430339x^{11} + 546986x^{10} - 107092 \times x^9 - 197128x^8 - 80189x^7 - 3796x^6 + 10846x^5 + 5737x^4 + 1564x^3 + 256x^2 + 24x + 1$$

d = 49; r₁ = 23;

$$\text{Disc} = -739767643914732450967854166989701832463454880442789041298354413643434374134879187$$

$$R = 44.70846$$

$$P = T_{49} + 5T_{47} + T_{46} + 15T_{45} + 4T_{44} + 36T_{43} + 10T_{42} + 74T_{41} + 21T_{40} + 136T_{39} + 39T_{38} + 231T_{37} + 66 \times T_{36} + 367T_{35} + 105T_{34} + 551T_{33} + 157T_{32} + 788T_{31} + 223T_{30} + 1078T_{29} + 303T_{28} + 1416T_{27} + 395T_{26} + 1791 \times T_{25} + 495T_{24} + 2185T_{23} + 598T_{22} + 2574T_{21} + 697T_{20} + 2929T_{19} + 784T_{18} + 3219T_{17} + 850T_{16} + 3412 \times T_{15} + 888T_{14} + 3480T_{13} + 890T_{12} + 3402T_{11} + 852T_{10} + 3165T_9 + 772T_8 + 2769T_7 + 651T_6 + 2225T_5 + 494 \times T_4 + 1559T_3 + 309T_2 + 802T_1 + 105$$

d = 49; r₁ = 25;

$$\text{Disc} = 5085225130308227408298789170252291946463595064018751345448281011456670685509287973$$

$$R = 46.50244$$

$$P = T_{49} + 4T_{48} + 11T_{47} + 24T_{46} + 46T_{45} + 80T_{44} + 130T_{43} + 200T_{42} + 295T_{41} + 420T_{40} + 581T_{39} + 781 \times T_{38} + 1026T_{37} + 1318T_{36} + 1662T_{35} + 2059T_{34} + 2513T_{33} + 3024T_{32} + 3595T_{31} + 4225T_{30} + 4914T_{29} + 5658 \times T_{28} + 6453T_{27} + 7291T_{26} + 8164T_{25} + 9060T_{24} + 9967T_{23} + 10869T_{22} + 11752T_{21} + 12592T_{20} + 13373 \times T_{19} + 14073T_{18} + 14676T_{17} + 15162T_{16} + 15517T_{15} + 15729T_{14} + 15786T_{13} + 15680T_{12} + 15403T_{11} + 14951 \times T_{10} + 14321T_9 + 13514T_8 + 12534T_7 + 11389T_6 + 10089T_5 + 8647T_4 + 7082T_3 + 5410T_2 + 3655T_1 + 1841$$

d = 49; r₁ = 27;

$$\text{Disc} = -1883643998814726371601195764538963047970122826158676071669425164146743535547462259$$

$$R = 45.56941$$

$$P = T_{49} + 3T_{47} + 6T_{45} + 10T_{43} - T_{42} + 15T_{41} - 2T_{40} + 21T_{39} - 3T_{38} + 28T_{37} - 4T_{36} + 36T_{35} - 5T_{34} + 45 \times T_{33} - 6T_{32} + 55T_{31} - 7T_{30} + 64T_{29} - 7T_{28} + 72T_{27} - 7T_{26} + 79T_{25} - 7T_{24} + 85T_{23} - 7T_{22} + 90T_{21} - 7 \times T_{20} + 93T_{19} - 7T_{18} + 94T_{17} - 7T_{16} + 93T_{15} - 7T_{14} + 89T_{13} - 7T_{12} + 82T_{11} - 7T_{10} + 73T_9 - 7T_8 + 62 \times T_7 - 7T_6 + 49T_5 - 5T_4 + 34T_3 - 3T_2 + 17T_1 - 1$$

d = 49; r₁ = 29;

$$\text{Disc} = 810454776097992190120772673717412801739062228713079176544683238029954826713269600173$$

$$R = 51.57308$$

$$P = T_{49} + 2T_{47} + 3T_{45} + 4T_{43} + 5T_{41} + T_{40} + 6T_{39} + 2T_{38} + 7T_{37} + 3T_{36} + 8T_{35} + 4T_{34} + 9T_{33} + 5T_{32} + 10T_{31} + 6 \times T_{30} + 11T_{29} + 7T_{28} + 12T_{27} + 8T_{26} + 13T_{25} + 9T_{24} + 14T_{23} + 9T_{22} + 15T_{21} + 8T_{20} + 16T_{19} + 7T_{18} + 17T_{17} + 7 \times T_{16} + 16T_{15} + 7T_{14} + 14T_{13} + 8T_{12} + 12T_{11} + 8T_{10} + 10T_9 + 7T_8 + 8T_7 + 6T_6 + 6T_5 + 5T_4 + 4T_3 + 3T_2 + 2T_1 + 1$$

d = 49; r₁ = 31;

$$\text{Disc} = -4937510234958750204804650437179358056254723129926523906169113494290608263746755319931$$

$$R = 53.51049$$

$$P = T_{49} - T_{47} - T_{42} + T_{40} + T_{38} - T_{36} + T_{35} - T_{33} - T_{31} - T_{30} - T_{28} + T_{27} + T_{26} - T_{25} + T_{24} + T_{23} - T_{22} + T_{21} - 2 \times T_{19} - T_{17} + T_{15} - 2T_{14} + 2T_{12} - T_{11} + T_{10} + T_9 - 2T_8 + T_7 - T_5 + T_4 - T_3 + 2T_1 - 2$$

d = 49; r₁ = 33;

$$\text{Disc} = 272650272576605325024308767625715561213319476640061164253925474698748452903966875621$$

$$R = 50.43912$$

$$P = T_{49} + T_{48} - T_{44} - T_{43} - T_{41} - T_{40} + T_{39} + T_{38} + T_{36} + T_{35} - T_{34} + T_{32} - T_{31} - T_{30} + T_{29} - T_{27} + T_{26} - 2 \times T_{24} + T_{22} - T_{21} + 2T_{19} - T_{18} - T_{17} + 2T_{16} - 2T_{14} + T_{13} - 3T_{11} + T_9 - 2T_8 + 2T_6 - T_5 + 3T_3 - T_1 + 2$$

d = 49; r₁ = 35;

$$\text{Disc} = -199803444441620795586687855985676499669446323645906337418328031192013127929384694041511$$

$$R = 57.70810$$

$$P = T_{49} + T_{48} + 2T_{47} + 2T_{46} + 3T_{45} + 3T_{44} + 4T_{43} + 4T_{42} + 5T_{41} + 5T_{40} + 6T_{39} + 6T_{38} + 6T_{37} + 6T_{36} + 5 \times T_{35} + 5T_{34} + 4T_{33} + 4T_{32} + 3T_{31} + 4T_{30} + 3T_{29} + 5T_{28} + 4T_{27} + 6T_{26} + 5T_{25} + 7T_{24} + 5T_{23} + 7T_{22} + 5 \times T_{21} + 7T_{20} + 5T_{19} + 7T_{18} + 5T_{17} + 6T_{16} + 4T_{15} + 5T_{14} + 3T_{13} + 4T_{12} + 2T_{11} + 3T_{10} + 2T_9 + 3T_8 + 2T_7 + 3 \times T_6 + 2T_5 + 3T_4 + 2T_3 + 2T_2 + T_1 + 1$$

d = 49; r₁ = 37;

$$\text{Disc} = 5788328658308306696040805428930194418579995439917589032259168711008244418158143544758897$$

$$R = 61.81196$$

$$P = T_{49} - T_{37} - T_{29} + T_{25} - T_{21} + T_{17} + T_{14} - T_{13} + T_9 - T_5 + T_1$$

d = 49; r₁ = 39;

$$\text{Disc} = -86074452919847664803021712374501610820989991884432882067515670126340852769377982513243587$$

$$R = 65.31267$$

$$P = T_{49} + T_{48} + T_{47} - T_{46} - 2T_{45} - 3T_{44} - 2T_{43} + 3T_{41} + 4T_{40} + 3T_{39} - 3T_{37} - 4T_{36} - 3T_{35} + T_{34} + 4 \times T_{33} + 4T_{32} + T_{31} - 3T_{30} - 5T_{29} - 3T_{28} + T_{27} + 5T_{26} + 5T_{25} + 2T_{24} - 3T_{23} - 6T_{22} - 5T_{21} + 5T_{19} + 7T_{18} + 4 \times T_{17} - 2T_{16} - 6T_{15} - 7T_{14} - 2T_{13} + 3T_{12} + 6T_{11} + 4T_{10} - 4T_8 - 4T_7 - T_6 + 3T_5 + 4T_4 + 2T_3 - 2T_2 - 5T_1 - 4$$

d = 49; r₁ = 41;

$$\text{Disc} = 5391633805181439675215010585559155162751886575747954317218029764191987011897969256948519009$$

$$R = 71.06696$$

$$P = x^{49} - 372x^{47} - 1962x^{46} + 15934x^{45} + 75639x^{44} - 301520x^{43} - 1164773x^{42} + 3124817x^{41} + 9973740x^{40} - 20060867x^{39} - 54572431x^{38} + 86530169x^{37} + 206205375x^{36} - 265212249x^{35} - 565694878x^{34} + 601096742 \times x^{33} + 1166792125x^{32} - 1037164478x^{31} - 1855964631x^{30} + 1391977200x^{29} + 2319958915x^{28} - 1476338054 \times x^{27} - 2310789553x^{26} + 1251677724x^{25} + 1852482994x^{24} - 854992153x^{23} - 1203322288x^{22} + 472733756x^{21} + 635745396x^{20} - 211915132x^{19} - 273438880x^{18} + 76904685x^{17} + 95548245x^{16} - 22481940x^{15} - 26978328 \times x^{14} + 5245786x^{13} + 6096454x^{12} - 962598x^{11} - 1086008x^{10} + 135751x^9 + 148995x^8 - 14190x^7 - 15180 \times x^6 + 1035x^5 + 1081x^4 - 47x^3 - 48x^2 + x + 1$$

d = 49; r₁ = 43;

$$\text{Disc} = -308135578383387330162344184197000998592130034030719431636458892933889193824501320011032803131$$

$$R = 77.18366$$

$$P = T_{49} - T_{47} - 2T_{44} + 3T_{42} - 2T_{41} - 3T_{40} + T_{39} - 3T_{37} + 4T_{36} + 7T_{35} - T_{34} - 2T_{33} + T_{32} - 2T_{31} - 5 \times \\ T_{30} + 4T_{29} + 7T_{28} - T_{27} - 4T_{26} - T_{25} - 4T_{24} - 8T_{23} + 3T_{22} + 7T_{21} - T_{20} - 3T_{19} + 2T_{18} - 2T_{17} - 4T_{16} + 7 \times \\ T_{15} + 8T_{14} + T_{13} - 2T_{12} - 4T_{10} - 3T_9 + 4T_8 + 4T_7 - T_6 - 4T_5 - 3T_4 - 5T_3 - T_2 + 2T_1 + 2$$

d = 49; r₁ = 45;

$$\text{Disc} = 74565503371066714378969140992538879650411595953207326964416232818533821033681907062497265538053$$

$$R = 86.33249$$

$$P = T_{49} + T_{47} - T_{45} + 2T_{44} - 3T_{43} + 4T_{42} - 4T_{41} + 5T_{40} - 5T_{39} + 6T_{38} - 6T_{37} + 7T_{36} - 7T_{35} + 8T_{34} - 8 \times \\ T_{33} + 8T_{32} - 9T_{31} + 9T_{30} - 10T_{29} + 12T_{28} - 13T_{27} + 15T_{26} - 16T_{25} + 17T_{24} - 18T_{23} + 19T_{22} - 20T_{21} + 21 \times \\ T_{20} - 20T_{19} + 19T_{18} - 18T_{17} + 17T_{16} - 15T_{15} + 15T_{14} - 13T_{13} + 13T_{12} - 13T_{11} + 13T_{10} - 13T_9 + 13 \times \\ T_8 - 12T_7 + 12T_6 - 11T_5 + 11T_4 - 10T_3 + 8T_2 - 5T_1 + 3$$

d = 49; r₁ = 47;

$$\text{Disc} = -1656119273128206137010868527195322310138959892712883604713743325127257900812870787642473896293748$$

$$R = 101.03486$$

$$P = T_{49} + 2T_{48} + 2T_{47} - T_{46} - 6T_{45} - 7T_{44} - T_{43} + 8T_{42} + 10T_{41} + T_{40} - 11T_{39} - 13T_{38} - T_{37} + 14 \times \\ T_{36} + 16T_{35} + T_{34} - 17T_{33} - 19T_{32} - T_{31} + 20T_{30} + 22T_{29} + T_{28} - 23T_{27} - 25T_{26} - T_{25} + 26T_{24} + 30 \times \\ T_{23} + 7T_{22} - 21T_{21} - 27T_{20} - 7T_{19} + 18T_{18} + 24T_{17} + 7T_{16} - 15T_{15} - 21T_{14} - 7T_{13} + 12T_{12} + 18T_{11} + 7 \times \\ T_{10} - 9T_9 - 15T_8 - 7T_7 + 6T_6 + 12T_5 + 7T_4 - 3T_3 - 9T_2 - 9T_1 - 5$$

d = 49; r₁ = 49;

$$\text{Disc} = 257469155376390251429881028717415898024447130307591944932069179868508353219985275005991435771161951$$

$$R = 123.03107$$

$$P = T_{49} + 2T_{48} + T_{47} - T_{45} - 3T_{44} - 5T_{43} - 5T_{42} - 5T_{41} - 5T_{40} - 4T_{39} - T_{38} + T_{36} + 3T_{35} + 4T_{34} + 3T_{33} + 4 \times \\ T_{32} + 5T_{31} + 5T_{30} + 4T_{29} + 5T_{28} + 4T_{27} + 2T_{26} + T_{25} + T_{24} - T_{23} - T_{22} + 2T_{20} + 3T_{19} + 5T_{18} + 6T_{17} + 6 \times \\ T_{16} + 5T_{15} + 5T_{14} + 4T_{13} + 4T_{12} + 3T_{11} + 3T_{10} + 4T_9 + 5T_8 + 5T_7 + 6T_6 + 6T_5 + 5T_4 + 4T_3 + 4T_2 + 3T_1 + 1$$

d = 50; r₁ = 0;

Disc = -89576014663206987745713133945355875949489587273169821161486121871

R = 19.90874

$P = x^{50} + 12x^{49} + 78x^{48} + 366x^{47} + 1383x^{46} + 4447x^{45} + 12578x^{44} + 31986x^{43} + 74263x^{42} + 159206 \times x^{41} + 317878x^{40} + 595109x^{39} + 1050272x^{38} + 1754968x^{37} + 2786460x^{36} + 4216394x^{35} + 6095482x^{34} + 8436287x^{33} + 11197521x^{32} + 14273959x^{31} + 17495834x^{30} + 20640080x^{29} + 23453407x^{28} + 25684411 \times x^{27} + 27119293x^{26} + 27614449x^{25} + 27119293x^{24} + 25684411x^{23} + 23453407x^{22} + 20640080x^{21} + 17495834 \times x^{20} + 14273959x^{19} + 11197521x^{18} + 8436287x^{17} + 6095482x^{16} + 4216394x^{15} + 2786460x^{14} + 1754968 \times x^{13} + 1050272x^{12} + 595109x^{11} + 317878x^{10} + 159206x^9 + 74263x^8 + 31986x^7 + 12578x^6 + 4447x^5 + 1383 \times x^4 + 366x^3 + 78x^2 + 12x + 1$

d = 50; r₁ = 2;

Disc = 3137558799131217759626518922276197077132997477330223647352657250349

R = 21.37627

$P = x^{50} + 11x^{49} + 49x^{48} + 100x^{47} + 28x^{46} - 298x^{45} - 563x^{44} - 83x^{43} + 1011x^{42} + 1221x^{41} - 421x^{40} - 2043 \times x^{39} - 637x^{38} + 2106x^{37} + 622x^{36} - 2445x^{35} + 801x^{34} + 2986x^{33} - 3226x^{32} - 1251x^{31} + 7140x^{30} - 4391 \times x^{29} - 12585x^{28} + 11366x^{27} + 16973x^{26} - 14557x^{25} - 16973x^{24} + 11366x^{23} + 12585x^{22} - 4391x^{21} - 7140 \times x^{20} - 1251x^{19} + 3226x^{18} + 2986x^{17} - 801x^{16} - 2445x^{15} - 622x^{14} + 2106x^{13} + 637x^{12} - 2043x^{11} + 421 \times x^{10} + 1221x^9 - 1011x^8 - 83x^7 + 563x^6 - 298x^5 - 28x^4 + 100x^3 - 49x^2 + 11x - 1$

d = 50; r₁ = 4;

Disc = -33034521198200370380294432522315441769493989386079553842386093347343

R = 22.40678

$P = x^{50} + 2x^{49} + 14x^{48} + 26x^{47} + 101x^{46} + 172x^{45} + 481x^{44} + 748x^{43} + 1662x^{42} + 2347x^{41} + 4335x^{40} + 5506 \times x^{39} + 8595x^{38} + 9609x^{37} + 12501x^{36} + 11559x^{35} + 11293x^{34} + 6050x^{33} - 600x^{32} - 10938x^{31} - 24485 \times x^{30} - 36987x^{29} - 53165x^{28} - 61585x^{27} - 73041x^{26} - 71755x^{25} - 73041x^{24} - 61585x^{23} - 53165x^{22} - 36987 \times x^{21} - 24485x^{20} - 10938x^{19} - 600x^{18} + 6050x^{17} + 11293x^{16} + 11559x^{15} + 12501x^{14} + 9609x^{13} + 8595 \times x^{12} + 5506x^{11} + 4335x^{10} + 2347x^9 + 1662x^8 + 748x^7 + 481x^6 + 172x^5 + 101x^4 + 26x^3 + 14x^2 + 2x + 1$

d = 50; r₁ = 6;

Disc = 90144817150782827155893510605450526579346876365791964533654664154957

R = 22.86119

$P = x^{50} + 12x^{49} + 80x^{48} + 386x^{47} + 1491x^{46} + 4869x^{45} + 13903x^{44} + 35514x^{43} + 82500x^{42} + 176443 \times x^{41} + 350713x^{40} + 652704x^{39} + 1144107x^{38} + 1897934x^{37} + 2991290x^{36} + 4493639x^{35} + 6451478x^{34} + 8871639x^{33} + 11706595x^{32} + 14845664x^{31} + 18115570x^{30} + 21292397x^{29} + 24124659x^{28} + 26364605 \times x^{27} + 27802636x^{26} + 28298435x^{25} + 27802636x^{24} + 26364605x^{23} + 24124659x^{22} + 21292397x^{21} + 18115570 \times x^{20} + 14845664x^{19} + 11706595x^{18} + 8871639x^{17} + 6451478x^{16} + 4493639x^{15} + 2991290x^{14} + 1897934 \times x^{13} + 1144107x^{12} + 652704x^{11} + 350713x^{10} + 176443x^9 + 82500x^8 + 35514x^7 + 13903x^6 + 4869x^5 + 1491 \times x^4 + 386x^3 + 80x^2 + 12x + 1$

d = 50; r₁ = 8;

Disc = -3135929998631185033489070551468083095481700022331669940986189261789511

R = 24.54298

$P = x^{50} + 13x^{49} + 63x^{48} + 48x^{47} - 981x^{46} - 5508x^{45} - 12331x^{44} + 6354x^{43} + 136939x^{42} + 474903 \times x^{41} + 816389x^{40} + 66190x^{39} - 4048362x^{38} - 13695882x^{37} - 27349638x^{36} - 35709914x^{35} - 21973705x^{34} + 29223599x^{33} + 116242953x^{32} + 208889362x^{31} + 253952283x^{30} + 201753603x^{29} + 41103699x^{28} - 181207645 \times x^{27} - 374917690x^{26} - 451691005x^{25} - 374917690x^{24} - 181207645x^{23} + 41103699x^{22} + 201753603x^{21} + 253952283x^{20} + 208889362x^{19} + 116242953x^{18} + 29223599x^{17} - 21973705x^{16} - 35709914x^{15} - 27349638 \times x^{14} - 13695882x^{13} - 4048362x^{12} + 66190x^{11} + 816389x^{10} + 474903x^9 + 136939x^8 + 6354x^7 - 12331 \times x^6 - 5508x^5 - 981x^4 + 48x^3 + 63x^2 + 13x + 1$

d = 50; r₁ = 10;

Disc = 7260431420041177910175482977425029225672223428939383894839773583097709

R = 24.95854

$P = x^{50} + 25x^{49} + 293x^{48} + 2132x^{47} + 10694x^{46} + 38410x^{45} + 96808x^{44} + 144232x^{43} - 35249x^{42} - 928483 \times x^{41} - 3025027x^{40} - 5748648x^{39} - 5820752x^{38} + 3059494x^{37} + 26110170x^{36} + 58050368x^{35} + 74516461x^{34} + 37322583x^{33} - 77364432x^{32} - 239174332x^{31} - 347239171x^{30} - 272384529x^{29} + 48146109x^{28} + 526824677 \times x^{27} + 934088788x^{26} + 1022783110x^{25} + 694805671x^{24} + 84193281x^{23} - 516090552x^{22} - 835138042x^{21} - 780159286x^{20} - 461540794x^{19} - 89244578x^{18} + 165725985x^{17} + 247667349x^{16} + 201759417x^{15} + 109468728 \times x^{14} + 31977906x^{13} - 8991117x^{12} - 19976854x^{11} - 16250411x^{10} - 9348431x^9 - 4234132x^8 - 1560111 \times x^7 - 471196x^6 - 115923x^5 - 22811x^4 - 3473x^3 - 386x^2 - 28x - 1$

d = 50; r₁ = 12;

$$\text{Disc} = -4520461593822534771718105696746528489359639821383161060428264881557762239$$

$$R = 28.38596$$

$$P = x^{50} + 12x^{49} - 48x^{48} - 1936x^{47} - 18593x^{46} - 102253x^{45} - 363969x^{44} - 807102x^{43} - 652218x^{42} + 2663202x^{41} + 12822844x^{40} + 28849125x^{39} + 34675624x^{38} - 3927187x^{37} - 116047605x^{36} - 276121406 \times x^{35} - 370960243x^{34} - 240397026x^{33} + 214916182x^{32} + 959036205x^{31} + 1873011107x^{30} + 2880532455 \times x^{29} + 3977431801x^{28} + 5100720010x^{27} + 6005784205x^{26} + 6360309977x^{25} + 6005784205x^{24} + 5100720010 \times x^{23} + 3977431801x^{22} + 2880532455x^{21} + 1873011107x^{20} + 959036205x^{19} + 214916182x^{18} - 240397026x^{17} - 370960243x^{16} - 276121406x^{15} - 116047605x^{14} - 3927187x^{13} + 34675624x^{12} + 28849125x^{11} + 12822844 \times x^{10} + 2663202x^9 - 652218x^8 - 807102x^7 - 363969x^6 - 102253x^5 - 18593x^4 - 1936x^3 - 48x^2 + 12x + 1$$

d = 50; r₁ = 14;

$$\text{Disc} = 273465581182606858181974912330731038653224388101973065019537537626617675776$$

$$R = 30.81329$$

$$P = x^{50} - 40x^{48} + 744x^{46} - 8578x^{44} + 68772x^{42} - 407276x^{40} + 1847084x^{38} - 6565064x^{36} + 18570455 \times x^{34} - 42243747x^{32} + 77828645x^{30} - 116690745x^{28} + 142830573x^{26} - 142989468x^{24} + 117161106x^{22} - 78522639x^{20} + 42951263x^{18} - 19091862x^{16} + 6846892x^{14} - 1959129x^{12} + 439742x^{10} - 75456x^8 + 9506 \times x^6 - 822x^4 + 43x^2 - 1$$

d = 50; r₁ = 16;

$$\text{Disc} = -3265465613943626918010583983594229486987301551246510784008849997657213374031$$

$$R = 32.38015$$

$$P = x^{50} + 23x^{49} + 258x^{48} + 1902x^{47} + 10467x^{46} + 46211x^{45} + 171367x^{44} + 550728x^{43} + 1568330 \times x^{42} + 4023085x^{41} + 9412764x^{40} + 20282336x^{39} + 40559322x^{38} + 75737196x^{37} + 132723111x^{36} + 219171563 \times x^{35} + 342209212x^{34} + 506623305x^{33} + 712805832x^{32} + 954949250x^{31} + 1220089441x^{30} + 1488514462 \times x^{29} + 1735781812x^{28} + 1936165731x^{27} + 2066911103x^{26} + 2112354455x^{25} + 2066911103x^{24} + 1936165731 \times x^{23} + 1735781812x^{22} + 1488514462x^{21} + 1220089441x^{20} + 954949250x^{19} + 712805832x^{18} + 506623305x^{17} + 342209212x^{16} + 219171563x^{15} + 132723111x^{14} + 75737196x^{13} + 40559322x^{12} + 20282336x^{11} + 9412764 \times x^{10} + 4023085x^9 + 1568330x^8 + 550728x^7 + 171367x^6 + 46211x^5 + 10467x^4 + 1902x^3 + 258x^2 + 23x + 1$$

d = 50; r₁ = 18;

$$\text{Disc} = 11635726259210642775616596784015167534750097616275728867337238543022657244489$$

$$R = 33.21359$$

$$P = x^{50} + 16x^{49} + 90x^{48} + 113x^{47} - 922x^{46} - 3877x^{45} - 757x^{44} + 27073x^{43} + 52183x^{42} - 61081 \times x^{41} - 328171x^{40} - 193427x^{39} + 934980x^{38} + 1740026x^{37} - 759748x^{36} - 5498420x^{35} - 3845506x^{34} + 8815977 \times x^{33} + 16537659x^{32} - 2780292x^{31} - 32773533x^{30} - 20869558x^{29} + 36106238x^{28} + 54457772x^{27} - 12942655 \times x^{26} - 72873857x^{25} - 26170751x^{24} + 58857916x^{23} + 52410870x^{22} - 24451640x^{21} - 50155360x^{20} - 3958468 \times x^{19} + 30151104x^{18} + 13923849x^{17} - 10911087x^{16} - 10977928x^{15} + 836108x^{14} + 4916763x^{13} + 1606835 \times x^{12} - 1059456x^{11} - 938212x^{10} - 101838x^9 + 185702x^8 + 102850x^7 + 11506x^6 - 10764x^5 - 6296x^4 - 1724 \times x^3 - 276x^2 - 25x - 1$$

d = 50; r₁ = 20;

$$\text{Disc} = -600118042076340129150389886645126791625153397261417234143350722552325598445379$$

$$R = 35.93890$$

$$P = x^{50} + 28x^{49} + 359x^{48} + 2771x^{47} + 14151x^{46} + 48680x^{45} + 103425x^{44} + 58335x^{43} - 493696x^{42} - 2285882 \times x^{41} - 5964443x^{40} - 11284818x^{39} - 16730622x^{38} - 20447969x^{37} - 22193425x^{36} - 24590431x^{35} - 31894562 \times x^{34} - 46075995x^{33} - 62731981x^{32} - 71161008x^{31} - 60629906x^{30} - 28649340x^{29} + 16271746x^{28} + 59927164 \times x^{27} + 90246680x^{26} + 100912385x^{25} + 90246680x^{24} + 59927164x^{23} + 16271746x^{22} - 28649340x^{21} - 60629906 \times x^{20} - 71161008x^{19} - 62731981x^{18} - 46075995x^{17} - 31894562x^{16} - 24590431x^{15} - 22193425x^{14} - 20447969 \times x^{13} - 16730622x^{12} - 11284818x^{11} - 5964443x^{10} - 2285882x^9 - 493696x^8 + 58335x^7 + 103425x^6 + 48680 \times x^5 + 14151x^4 + 2771x^3 + 359x^2 + 28x + 1$$

d = 50; r₁ = 22;

$$\text{Disc} = 4214391171125607397002490689490903692302821930654787301310398489792086444984569$$

$$R = 37.36756$$

$$P = x^{50} + 22x^{49} + 211x^{48} + 1113x^{47} + 3131x^{46} + 1672x^{45} - 21158x^{44} - 78708x^{43} - 88853x^{42} + 192734 \times x^{41} + 838112x^{40} + 952285x^{39} - 1158861x^{38} - 5055165x^{37} - 5112682x^{36} + 4842284x^{35} + 18878903x^{34} +$$

$$16528135x^{33} - 13334081x^{32} - 45486476x^{31} - 35471651x^{30} + 22604760x^{29} + 72458780x^{28} + 53959622 \times x^{27} - 21198499x^{26} - 77140413x^{25} - 59635503x^{24} + 6667548x^{23} + 53986084x^{22} + 46564414x^{21} + 6743004 \times x^{20} - 22816960x^{19} - 23972386x^{18} - 8806475x^{17} + 3984610x^{16} + 7267843x^{15} + 4526825x^{14} + 1020813 \times x^{13} - 869088x^{12} - 1179404x^{11} - 725622x^{10} - 203313x^9 + 76472x^8 + 127028x^7 + 81329x^6 + 33856x^5 + 9932 \times x^4 + 2060x^3 + 290x^2 + 25x + 1$$

d = 50; r₁ = 24;

$$\text{Disc} = -136281702200727043117497900535891603439350261224204482665515893905361943482051291$$

$$R = 40.05795$$

$$P = x^{50} + 6x^{49} - 49x^{48} - 438x^{47} - 868x^{46} + 2181x^{45} + 13482x^{44} + 18251x^{43} - 37999x^{42} - 172658 \times x^{41} - 169792x^{40} + 366724x^{39} + 1232856x^{38} + 866277x^{37} - 2175552x^{36} - 5496817x^{35} - 2655823x^{34} + 8359035 \times x^{33} + 16281059x^{32} + 5084193x^{31} - 21597826x^{30} - 33292206x^{29} - 6029009x^{28} + 38518647x^{27} + 48124970 \times x^{26} + 4045115x^{25} - 48107170x^{24} - 49801313x^{23} - 955802x^{22} + 42172087x^{21} + 37015649x^{20} - 442600 \times x^{19} - 25648592x^{18} - 19642430x^{17} + 100352x^{16} + 10492213x^{15} + 7305182x^{14} + 323551x^{13} - 2702067 \times x^{12} - 1824736x^{11} - 247988x^{10} + 373237x^9 + 275851x^8 + 71720x^7 - 13024x^6 - 18170x^5 - 7558x^4 - 1844 \times x^3 - 281x^2 - 25x - 1$$

d = 50; r₁ = 26;

$$\text{Disc} = 17296331789899405906426258557205108460003808203401278733044582415265518897836749$$

$$R = 38.43785$$

$$P = x^{50} - 36x^{48} + 32x^{47} + 531x^{46} - 857x^{45} - 4014x^{44} + 9200x^{43} + 17263x^{42} - 54333x^{41} - 49486x^{40} + 218846 \times x^{39} + 114661x^{38} - 704198x^{37} - 230612x^{36} + 1962328x^{35} + 286909x^{34} - 4692370x^{33} + 219920x^{32} + 9308124 \times x^{31} - 1987333x^{30} - 15384253x^{29} + 5214089x^{28} + 22150230x^{27} - 10173220x^{26} - 28416190x^{25} + 18344908 \times x^{24} + 30177816x^{23} - 29163714x^{22} - 21829976x^{21} + 35426256x^{20} + 4949664x^{19} - 29365199x^{18} + 8978379 \times x^{17} + 14390673x^{16} - 11326272x^{15} - 2133787x^{14} + 5970845x^{13} - 1827439x^{12} - 1263898x^{11} + 1123664 \times x^{10} - 158794x^9 - 192630x^8 + 116556x^7 - 17718x^6 - 9154x^5 + 6038x^4 - 1700x^3 + 275x^2 - 25x + 1$$

d = 50; r₁ = 28;

$$\text{Disc} = -25775622685598405983287482762601504848792665635652681346239085864577926314796676451$$

$$R = 44.48608$$

$$P = x^{50} + 25x^{49} + 279x^{48} + 1796x^{47} + 7050x^{46} + 15134x^{45} + 2499x^{44} - 87714x^{43} - 247001x^{42} - 167072 \times x^{41} + 666271x^{40} + 1860016x^{39} + 1013479x^{38} - 3881434x^{37} - 8436543x^{36} - 2188371x^{35} + 15991085 \times x^{34} + 24227058x^{33} - 1716767x^{32} - 44070984x^{31} - 44579827x^{30} + 19792569x^{29} + 82111450x^{28} + 53611643x^{27} - 52535941x^{26} - 112096960x^{25} - 34933181x^{24} + 97247905x^{23} + 105165717x^{22} - 31939960x^{21} - 111364843 \times x^{20} - 19863580x^{19} + 75476945x^{18} + 31583174x^{17} - 38279792x^{16} - 20375429x^{15} + 16122014x^{14} + 8046378 \times x^{13} - 5892366x^{12} - 1908289x^{11} + 1752930x^{10} + 160922x^9 - 361587x^8 + 46055x^7 + 38442x^6 - 13880 \times x^5 - 74x^4 + 974x^3 - 239x^2 + 25x - 1$$

d = 50; r₁ = 30;

$$\text{Disc} = 22490270262374476311623597210246514636442080230225133662765898705881461643422990336$$

$$R = 44.36494$$

$$P = x^{50} - 26x^{48} + 299x^{46} - 2061x^{44} + 9869x^{42} - 36831x^{40} + 117819x^{38} - 335903x^{36} + 829850x^{34} - 1695382 \times x^{32} + 2806195x^{30} - 3851483x^{28} + 4696019x^{26} - 5465420x^{24} + 6012409x^{22} - 5722723x^{20} + 4317944 \times x^{18} - 2435690x^{16} + 979817x^{14} - 263611x^{12} + 41199x^{10} - 1973x^8 - 339x^6 + 13x^4 + 10x^2 - 1$$

d = 50; r₁ = 32;

$$\text{Disc} = -1664691256774268337008149657095182601596024170282401386377438731633946797171219103744$$

$$R = 48.35336$$

$$P = x^{50} - 37x^{48} + 603x^{46} - 5773x^{44} + 36305x^{42} - 158166x^{40} + 488171x^{38} - 1064620x^{36} + 1581550 \times x^{34} - 1427743x^{32} + 496315x^{30} + 81411x^{28} + 1004155x^{26} - 3119392x^{24} + 3921863x^{22} - 2323851x^{20} - 143279 \times x^{18} + 1481364x^{16} - 1374513x^{14} + 728259x^{12} - 253896x^{10} + 59692x^8 - 9267x^6 + 893x^4 - 47x^2 + 1$$

d = 50; r₁ = 34;

$$\text{Disc} = 88228636609036221861431931826044677884589281024967273478004252776599180250074612498432$$

$$R = 52.34946$$

$$P = T_{50} + T_{46} + T_{42} + 2T_{38} + 2T_{34} + 2T_{30} + 3T_{26} - T_{24} + 3T_{22} - T_{20} + 4T_{18} - 2T_{16} + 4T_{14} - 2T_{12} + 4 \times T_{10} - 3T_8 + 5T_6 - 4T_4 + 4T_2 - 4$$

d = 50; r₁ = 36;

$$\text{Disc} = -841150296810718724243144986289923289823006124701170154743271953388697709488319720587264$$

$$R = 54.76429$$

$$P = x^{50} - 27x^{48} + 305x^{46} - 1817x^{44} + 5343x^{42} + 1336x^{40} - 83300x^{38} + 402071x^{36} - 1164998x^{34} + 2429702 \times x^{32} - 3941292x^{30} + 5223853x^{28} - 5825259x^{26} + 5503654x^{24} - 4377011x^{22} + 2941198x^{20} - 1734210 \times x^{18} + 951765x^{16} - 489848x^{14} + 218803x^{12} - 76928x^{10} + 19825x^8 - 3557x^6 + 421x^4 - 30x^2 + 1$$

d = 50; r₁ = 38 ;

$$\text{Disc} = 445369309667610353664140572867589850935364718427109029442242181558978120773538125185024$$

$$R = 54.07225$$

$$P = T_{50} + T_{48} + 2T_{46} + T_{44} + 2T_{42} + T_{40} + 2T_{38} + T_{36} + 2T_{34} + T_{32} + 2T_{30} + T_{28} + T_{26} - T_{20} - T_{18} - 2 \times T_{16} - 3T_{14} - 2T_{12} - 3T_{10} - T_8 - 2T_6 - T_2 + 1$$

d = 50; r₁ = 40 ;

$$\text{Disc} = -103284023326719880762314653517704434738120558584195713698161384407300146828767731786973184$$

$$R = 60.29491$$

$$P = T_{50} - T_{48} + T_{46} - 2T_{42} + 2T_{40} - 2T_{38} + T_{36} + T_{34} - T_{32} + T_{30} - 2T_{26} + 2T_{24} - 2T_{22} + T_{20} + T_{18} - T_{16} + T_{14} - T_{12} - T_8 + T_6 + T_2$$

d = 50; r₁ = 42 ;

$$\text{Disc} = 1342692303247358449910090495730157651595567261594544278076097997294901908773980513230651392$$

$$R = 63.46869$$

$$P = T_{50} - T_{48} + T_{46} - 2T_{44} + T_{36} + T_{34} - T_{32} + T_{30} - 2T_{28} + T_{20} + T_{18} - T_{16} + T_{14} - T_{12} + T_8 - T_6 + T_2 - 2$$

d = 50; r₁ = 44 ;

$$\text{Disc} = -9532700230188438712041718157635607017095446950716409041862044934572614577464206421292550215$$

$$R = 66.00614$$

$$P = T_{50} + T_{49} + T_{47} + T_{46} - T_{45} + T_{43} - T_{42} + 2T_{40} + T_{39} - T_{38} + T_{37} + 3T_{36} - 2T_{35} - 2T_{34} + 4T_{33} - T_{32} - 4 \times T_{31} + 5T_{30} + 2T_{29} - 4T_{28} + 4T_{27} + 3T_{26} - 4T_{25} + T_{24} + T_{23} - 3T_{22} + T_{21} + 5T_{18} - 2T_{17} - T_{16} + 8T_{15} - 4 \times T_{14} - 6T_{13} + 9T_{12} - 2T_{11} - 9T_{10} + 10T_9 + 3T_8 - 9T_7 + 8T_6 + 5T_5 - 9T_4 + 3T_3 + 2T_2 - 7T_1 + 3$$

d = 50; r₁ = 46 ;

$$\text{Disc} = 49033960317937021794454308652723448103047747748505278901690098237551144939546014119903625216$$

$$R = 68.20401$$

$$P = T_{50} - T_{48} - T_{46} + T_{44} + T_{42} - T_{40} - T_{38} + T_{36} + T_{34} - T_{32} - T_{30} + T_{28} - T_{24} - T_4 + 1$$

d = 50; r₁ = 48 ;

$$\text{Disc} = -1278309698965678922387479667692270105013418084727665233279740634839952091763786812054718545657856$$

$$R = 83.58584$$

$$P = T_{50} + T_{48} - T_{46} - T_{44} + T_{40} + T_{38} + T_{36} - T_{32} + T_{28} + T_{22} + T_{20} - T_{12} + 2T_8 + T_6 - T_4 - T_2$$

d = 50; r₁ = 50 ;

$$\text{Disc} = 573971850987445072250359637315549647372395291392620860111695169081258427468128502368927001953125$$

$$R = 82.25794$$

$$P = T_{50} - T_{48} + T_{25} - T_{23} + 1$$

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