Collections of Hilbert Series Data

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1   N=2

1.1   E=3

Table 1: Quivers with 2 Vertices and 3 Edges

Dimension	Degree	Hilbert Series	Count
0	1	$(T^2 - 2T + 1)/(-T + 1)^2$	1

1.2   E=4

Table 2: Quivers with 2 Vertices and 4 Edges

Dimension	Degree	Hilbert Series	Count
0	1	$(T^4 - 4T^3 + 6T^2 - 4T + 1)/(-T + 1)^4$	16
1	1	$(-T^3 + 3T^2 - 3T + 1)/(-T + 1)^4$	10

1.3   E=5

Table 3: Quivers with 2 Vertices and 5 Edges

Dimension	Degree	Hilbert Series	Count
0	1	$(T^8 - 8T^7 + 28T^6 - 56T^5 + 70T^4 - 56T^3 + 28T^2 - 8T + 1)/(-T + 1)^8$	782
1	1	$(-T^7 + 7T^6 - 21T^5 + 35T^4 - 35T^3 + 21T^2 - 7T + 1)/(-T + 1)^8$	86
2	1	$(T^6 - 6T^5 + 15T^4 - 20T^3 + 15T^2 - 6T + 1)/(-T + 1)^8$	13
2	2	$(T^7 - 5T^6 + 9T^5 - 5T^4 - 5T^3 + 9T^2 - 5T + 1)/(-T + 1)^8$	123
2	3	$(2T^7 - 11T^6 + 24T^5 - 25T^4 + 10T^3 + 3T^2 - 4T + 1)/(-T + 1)^8$	36

1.4   E=6

Table 4: Quivers with 2 Vertices and 6 Edges

Dimension	Degree	Hilbert Series	Count
0	1	$(T^{16} - 16T^{15} + 120T^{14} - 560T^{13} + 1820T^{12} - 4368T^{11} + 8008T^{10} - 11440T^9 + 12870T^8 - 11440T^7 + 8008T^6 - 4368T^5 + 1820T^4 - 560T^3 + 120T^2 - 16T + 1)/(-T + 1)^{16}$	1074
1	1	$(-T^{15} + 15T^{14} - 105T^{13} + 455T^{12} - 1365T^{11} + 3003T^{10} - 5005T^9 + 6435T^8 - 6435T^7 + 5005T^6 - 3003T^5 + 1365T^4 - 455T^3 + 105T^2 - 15T + 1)/(-T + 1)^{16}$	272
1	2	$(-T^{16} + 14T^{15} - 90T^{14} + 350T^{13} - 910T^{12} + 1638T^{11} - 2002T^{10} + 1430T^9 - 1430T^7 + 2002T^6 - 1638T^5 + 910T^4 - 350T^3 + 90T^2 - 14T + 1)/(-T + 1)^{16}$	564
1	3	$(-2T^{16} + 29T^{15} - 195T^{14} + 805T^{13} - 2275T^{12} + 4641T^{11} - 7007T^{10} + 7865T^9 - 6435T^8 + 3575T^7 - 1001T^6 - 273T^5 + 455T^4 - 245T^3 + 75T^2 - 13T + 1)/(-T + 1)^{16}$	281
1	4	$(-3T^{16} + 44T^{15} - 300T^{14} + 1260T^{13} - 3640T^{12} + 7644T^{11} - 12012T^{10} + 14300T^9 - 12870T^8 + 8580T^7 - 4004T^6 + 1092T^5 - 140T^3 + 60T^2 - 12T + 1)/(-T + 1)^{16}$	115
1	5	$(-4T^{16} + 59T^{15} - 405T^{14} + 1715T^{13} - 5005T^{12} + 10647T^{11} - 17017T^{10} + 20735T^9 - 19305T^8 + 13585T^7 - 7007T^6 + 2457T^5 - 455T^4 - 35T^3 + 45T^2 - 11T + 1)/(-T + 1)^{16}$	23
1	6	$(-5T^{16} + 74T^{15} - 510T^{14} + 2170T^{13} - 6370T^{12} + 13650T^{11} - 22022T^{10} + 27170T^9 - 25740T^8 + 18590T^7 - 10010T^6 + 3822T^5 - 910T^4 + 70T^3 + 30T^2 - 10T + 1)/(-T + 1)^{16}$	4
2	1	$(T^{14} - 14T^{13} + 91T^{12} - 364T^{11} + 1001T^{10} - 2002T^9 + 3003T^8 - 3432T^7 + 3003T^6 - 2002T^5 + 1001T^4 - 364T^3 + 91T^2 - 14T + 1)/(-T + 1)^{16}$	64
2	2	$(T^{15} - 13T^{14} + 77T^{13} - 273T^{12} + 637T^{11} - 1001T^{10} + 1001T^9 - 429T^8 - 429T^7 + 1001T^6 - 1001T^5 + 637T^4 - 273T^3 + 77T^2 - 13T + 1)/(-T + 1)^{16}$	62
Continued on next page →			

Dimension	Degree	Hilbert Series	Count
2	4	$(3T^{15} - 41T^{14} + 259T^{13} - 1001T^{12} + 2639T^{11} - 5005T^{10} + 7007T^9 - 7293T^8 + 5577T^7 - 3003T^6 + 1001T^5 - 91T^4 - 91T^3 + 49T^2 - 11T + 1)/(-T + 1)^{16}$	2
3	4	$(-3T^{14} + 38T^{13} - 221T^{12} + 780T^{11} - 1859T^{10} + 3146T^9 - 3861T^8 + 3432T^7 - 2145T^6 + 858T^5 - 143T^4 - 52T^3 + 39T^2 - 10T + 1)/(-T + 1)^{16}$	1
3	6	$(-T^{15} + 9T^{14} - 27T^{13} - 13T^{12} + 351T^{11} - 1287T^{10} + 2717T^9 - 3861T^8 + 3861T^7 - 2717T^6 + 1287T^5 - 351T^4 + 13T^3 + 27T^2 - 9T + 1)/(-T + 1)^{16}$	31
3	6	$(-5T^{14} + 64T^{13} - 377T^{12} + 1352T^{11} - 3289T^{10} + 5720T^9 - 7293T^8 + 6864T^7 - 4719T^6 + 2288T^5 - 715T^4 + 104T^3 + 13T^2 - 8T + 1)/(-T + 1)^{16}$	3
3	10	$(-2T^{15} + 19T^{14} - 66T^{13} + 39T^{12} + 494T^{11} - 2145T^{10} + 4862T^9 - 7293T^8 + 7722T^7 - 5863T^6 + 3146T^5 - 1131T^4 + 234T^3 - 11T^2 - 6T + 1)/(-T + 1)^{16}$	4

2   N=3

2.1   E=3

Table 5: Quivers with 3 Vertices and 3 Edges

Dimension	Degree	Hilbert Series	Count
0	1	1	1

2.2   E=4

Table 6: Quivers with 3 Vertices and 4 Edges

Dimension	Degree	Hilbert Series	Count
0	1	$(T^2 - 2T + 1)/(-T + 1)^2$	4

2.3   E=5

Table 7: Quivers with 3 Vertices and 5 Edges

Dimension	Degree	Hilbert Series	Count
0	1	$(T^4 - 4T^3 + 6T^2 - 4T + 1)/(-T + 1)^4$	62
1	1	$(-T^3 + 3T^2 - 3T + 1)/(-T + 1)^4$	20
1	1	$(T^2 - 2T + 1)/(-T + 1)^3$	1
2	1	$(T^2 - 2T + 1)/(-T + 1)^4$	6

2.4   E=6

Table 8: Quivers with 3 Vertices and 6 Edges

Dimension	Degree	Hilbert Series	Count
0	1	$(T^8 - 8T^7 + 28T^6 - 56T^5 + 70T^4 - 56T^3 + 28T^2 - 8T + 1)/(-T + 1)^8$	2239
0	1	$(T^4 - 4T^3 + 6T^2 - 4T + 1)/(-T + 1)^4$	5
0	1	$(T^6 - 6T^5 + 15T^4 - 20T^3 + 15T^2 - 6T + 1)/(-T + 1)^6$	12
1	1	$(-T^7 + 7T^6 - 21T^5 + 35T^4 - 35T^3 + 21T^2 - 7T + 1)/(-T + 1)^8$	828
1	1	$(-T^5 + 5T^4 - 10T^3 + 10T^2 - 5T + 1)/(-T + 1)^6$	4
1	1	$(T^4 - 4T^3 + 6T^2 - 4T + 1)/(-T + 1)^5$	8
1	2	$(-T^8 + 6T^7 - 14T^6 + 14T^5 - 14T^3 + 14T^2 - 6T + 1)/(-T + 1)^8$	16
1	3	$(2T^5 - 7T^4 + 8T^3 - 2T^2 - 2T + 1)/(-T + 1)^5$	2
2	1	$(T^6 - 6T^5 + 15T^4 - 20T^3 + 15T^2 - 6T + 1)/(-T + 1)^8$	22
2	1	$(-T^3 + 3T^2 - 3T + 1)/(-T + 1)^5$	5
2	1	$(T^4 - 4T^3 + 6T^2 - 4T + 1)/(-T + 1)^6$	44
2	1	$(T^2 - 2T + 1)/(-T + 1)^4$	2
2	2	$(T^7 - 5T^6 + 9T^5 - 5T^4 - 5T^3 + 9T^2 - 5T + 1)/(-T + 1)^8$	323
2	2	$(T^5 - 3T^4 + 2T^3 + 2T^2 - 3T + 1)/(-T + 1)^6$	16
2	3	$(2T^7 - 11T^6 + 24T^5 - 25T^4 + 10T^3 + 3T^2 - 4T + 1)/(-T + 1)^8$	58
2	3	$(-2T^4 + 5T^3 - 3T^2 - T + 1)/(-T + 1)^5$	2
3	2	$(-T^4 + 2T^3 - 2T + 1)/(-T + 1)^6$	1
3	2	$(-T^6 + 4T^5 - 5T^4 + 5T^2 - 4T + 1)/(-T + 1)^8$	72
3	2	$(T^7 - 7T^6 + 19T^5 - 25T^4 + 15T^3 - T^2 - 3T + 1)/(-T + 1)^8$	34

2.5 E=7

Table 9: Quivers with 3 Vertices and 7 Edges

Dimension	Degree	Hilbert Series	Count
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Dimension	Degree	Hilbert Series	Count
0	1	$(T^{16} - 16T^{15} + 120T^{14} - 560T^{13} + 1820T^{12} - 4368T^{11} + 8008T^{10} - 11440T^9 + 12870T^8 - 11440T^7 + 8008T^6 - 4368T^5 + 1820T^4 - 560T^3 + 120T^2 - 16T + 1)/(-T + 1)^{16}$	3045
0	1	$(T^{10} - 10T^9 + 45T^8 - 120T^7 + 210T^6 - 252T^5 + 210T^4 - 120T^3 + 45T^2 - 10T + 1)/(-T + 1)^{10}$	163
0	1	$(T^{12} - 12T^{11} + 66T^{10} - 220T^9 + 495T^8 - 792T^7 + 924T^6 - 792T^5 + 495T^4 - 220T^3 + 66T^2 - 12T + 1)/(-T + 1)^{12}$	157
0	1	$(T^6 - 6T^5 + 15T^4 - 20T^3 + 15T^2 - 6T + 1)/(-T + 1)^6$	16
0	1	$(T^8 - 8T^7 + 28T^6 - 56T^5 + 70T^4 - 56T^3 + 28T^2 - 8T + 1)/(-T + 1)^8$	126
1	1	$(-T^{11} + 11T^{10} - 55T^9 + 165T^8 - 330T^7 + 462T^6 - 462T^5 + 330T^4 - 165T^3 + 55T^2 - 11T + 1)/(-T + 1)^{12}$	798
1	1	$(-T^{15} + 15T^{14} - 105T^{13} + 455T^{12} - 1365T^{11} + 3003T^{10} - 5005T^9 + 6435T^8 - 6435T^7 + 5005T^6 - 3003T^5 + 1365T^4 - 455T^3 + 105T^2 - 15T + 1)/(-T + 1)^{16}$	528
1	1	$(-T^5 + 5T^4 - 10T^3 + 10T^2 - 5T + 1)/(-T + 1)^6$	10
1	1	$(T^8 - 8T^7 + 28T^6 - 56T^5 + 70T^4 - 56T^3 + 28T^2 - 8T + 1)/(-T + 1)^9$	471
1	1	$(-T^9 + 9T^8 - 36T^7 + 84T^6 - 126T^5 + 126T^4 - 84T^3 + 36T^2 - 9T + 1)/(-T + 1)^{10}$	132
1	1	$(-T^7 + 7T^6 - 21T^5 + 35T^4 - 35T^3 + 21T^2 - 7T + 1)/(-T + 1)^8$	148
1	2	$(-T^{16} + 14T^{15} - 90T^{14} + 350T^{13} - 910T^{12} + 1638T^{11} - 2002T^{10} + 1430T^9 - 1430T^7 + 2002T^6 - 1638T^5 + 910T^4 - 350T^3 + 90T^2 - 14T + 1)/(-T + 1)^{16}$	630
1	2	$(-T^{12} + 10T^{11} - 44T^{10} + 110T^9 - 165T^8 + 132T^7 - 132T^5 + 165T^4 - 110T^3 + 44T^2 - 10T + 1)/(-T + 1)^{12}$	261
1	2	$(-T^8 + 6T^7 - 14T^6 + 14T^5 - 14T^3 + 14T^2 - 6T + 1)/(-T + 1)^8$	28
1	3	$(-2T^{12} + 21T^{11} - 99T^{10} + 275T^9 - 495T^8 + 594T^7 - 462T^6 + 198T^5 - 55T^3 + 33T^2 - 9T + 1)/(-T + 1)^{12}$	43

Dimension	Degree	Hilbert Series	Count
1	3	$(-2T^{16} + 29T^{15} - 195T^{14} + 805T^{13} - 2275T^{12} + 4641T^{11} - 7007T^{10} + 7865T^9 - 6435T^8 + 3575T^7 - 1001T^6 - 273T^5 + 455T^4 - 245T^3 + 75T^2 - 13T + 1)/(-T+1)^{16}$	156
1	3	$(2T^9 - 15T^8 + 48T^7 - 84T^6 + 84T^5 - 42T^4 + 12T^2 - 6T + 1)/(-T+1)^9$	48
1	4	$(-3T^{16} + 44T^{15} - 300T^{14} + 1260T^{13} - 3640T^{12} + 7644T^{11} - 12012T^{10} + 14300T^9 - 12870T^8 + 8580T^7 - 4004T^6 + 1092T^5 - 140T^3 + 60T^2 - 12T + 1)/(-T+1)^{16}$	50
1	5	$(-4T^{16} + 59T^{15} - 405T^{14} + 1715T^{13} - 5005T^{12} + 10647T^{11} - 17017T^{10} + 20735T^9 - 19305T^8 + 13585T^7 - 7007T^6 + 2457T^5 - 455T^4 - 35T^3 + 45T^2 - 11T + 1)/(-T+1)^{16}$	9
2	1	$(T^8 - 8T^7 + 28T^6 - 56T^5 + 70T^4 - 56T^3 + 28T^2 - 8T + 1)/(-T+1)^{10}$	546
2	1	$(-T^{16} + 15T^{15} - 104T^{14} + 441T^{13} - 1274T^{12} + 2639T^{11} - 4004T^{10} + 4433T^9 - 3432T^8 + 1573T^7 - 637T^5 + 546T^4 - 259T^3 + 76T^2 - 13T + 1)/(-T+1)^{16}$	14
2	1	$(T^9 - 8T^8 + 27T^7 - 49T^6 + 49T^5 - 21T^4 - 7T^3 + 13T^2 - 6T + 1)/(-T+1)^9$	56
2	1	$(2T^9 - 16T^8 + 55T^7 - 105T^6 + 119T^5 - 77T^4 + 21T^3 + 5T^2 - 5T + 1)/(-T+1)^9$	48
2	1	$(-T^7 + 7T^6 - 21T^5 + 35T^4 - 35T^3 + 21T^2 - 7T + 1)/(-T+1)^9$	67
2	1	$(T^{14} - 14T^{13} + 91T^{12} - 364T^{11} + 1001T^{10} - 2002T^9 + 3003T^8 - 3432T^7 + 3003T^6 - 2002T^5 + 1001T^4 - 364T^3 + 91T^2 - 14T + 1)/(-T+1)^{16}$	43
2	1	$(T^{10} - 10T^9 + 45T^8 - 120T^7 + 210T^6 - 252T^5 + 210T^4 - 120T^3 + 45T^2 - 10T + 1)/(-T+1)^{12}$	22
2	1	$(-T^{12} + 11T^{11} - 54T^{10} + 155T^9 - 285T^8 + 342T^7 - 252T^6 + 78T^5 + 45T^4 - 65T^3 + 34T^2 - 9T + 1)/(-T+1)^{12}$	1

Dimension	Degree	Hilbert Series	Count
2	1	$(-2T^{16} + 30T^{15} - 209T^{14} + 896T^{13} - 2639T^{12} + 5642T^{11} - 9009T^{10} + 10868T^9 - 9867T^8 + 6578T^7 - 3003T^6 + 728T^5 + 91T^4 - 154T^3 + 61T^2 - 12T + 1)/(-T + 1)^{16}$	1
2	1	$(T^4 - 4T^3 + 6T^2 - 4T + 1)/(-T + 1)^6$	8
2	2	$(-T^{12} + 12T^{11} - 64T^{10} + 200T^9 - 405T^8 + 552T^7 - 504T^6 + 288T^5 - 75T^4 - 20T^3 + 24T^2 - 8T + 1)/(-T + 1)^{12}$	15
2	2	$(-3T^{16} + 46T^{15} - 328T^{14} + 1442T^{13} - 4368T^{12} + 9646T^{11} - 16016T^{10} + 20306T^9 - 19734T^8 + 14586T^7 - 8008T^6 + 3094T^5 - 728T^4 + 42T^3 + 32T^2 - 10T + 1)/(-T + 1)^{16}$	1
2	2	$(-T^8 + 6T^7 - 14T^6 + 14T^5 - 14T^3 + 14T^2 - 6T + 1)/(-T + 1)^9$	16
2	2	$(T^{11} - 9T^{10} + 35T^9 - 75T^8 + 90T^7 - 42T^6 - 42T^5 + 90T^4 - 75T^3 + 35T^2 - 9T + 1)/(-T + 1)^{12}$	23
2	2	$(-2T^{16} + 31T^{15} - 223T^{14} + 987T^{13} - 3003T^{12} + 6643T^{11} - 11011T^{10} + 13871T^9 - 13299T^8 + 9581T^7 - 5005T^6 + 1729T^5 - 273T^4 - 63T^3 + 47T^2 - 11T + 1)/(-T + 1)^{16}$	25
2	2	$(T^9 - 7T^8 + 20T^7 - 28T^6 + 14T^5 + 14T^4 - 28T^3 + 20T^2 - 7T + 1)/(-T + 1)^{10}$	75
2	2	$(T^{15} - 13T^{14} + 77T^{13} - 273T^{12} + 637T^{11} - 1001T^{10} + 1001T^9 - 429T^8 - 429T^7 + 1001T^6 - 1001T^5 + 637T^4 - 273T^3 + 77T^2 - 13T + 1)/(-T + 1)^{16}$	283
2	2	$(-T^{16} + 16T^{15} - 118T^{14} + 532T^{13} - 1638T^{12} + 3640T^{11} - 6006T^{10} + 7436T^9 - 6864T^8 + 4576T^7 - 2002T^6 + 364T^5 + 182T^4 - 168T^3 + 62T^2 - 12T + 1)/(-T + 1)^{16}$	91
2	2	$(2T^9 - 17T^8 + 62T^7 - 126T^6 + 154T^5 - 112T^4 + 42T^3 - 2T^2 - 4T + 1)/(-T + 1)^9$	26
2	3	$(-T^{12} + 13T^{11} - 74T^{10} + 245T^9 - 525T^8 + 762T^7 - 756T^6 + 498T^5 - 195T^4 + 25T^3 + 14T^2 - 7T + 1)/(-T + 1)^{12}$	4
2	3	$(2T^{11} - 19T^{10} + 80T^9 - 195T^8 + 300T^7 - 294T^6 + 168T^5 - 30T^4 - 30T^3 + 25T^2 - 8T + 1)/(-T + 1)^{12}$	2

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Dimension	Degree	Hilbert Series	Count
2	3	$(-2T^{16} + 32T^{15} - 237T^{14} + 1078T^{13} - 3367T^{12} + 7644T^{11} - 13013T^{10} + 16874T^9 - 16731T^8 + 12584T^7 - 7007T^6 + 2730T^5 - 637T^4 + 28T^3 + 33T^2 - 10T + 1)/(-T + 1)^{16}$	3
2	3	$(-3T^{16} + 47T^{15} - 342T^{14} + 1533T^{13} - 4732T^{12} + 10647T^{11} - 18018T^{10} + 23309T^9 - 23166T^8 + 17589T^7 - 10010T^6 + 4095T^5 - 1092T^4 + 133T^3 + 18T^2 - 9T + 1)/(-T + 1)^{16}$	1
2	3	$(-T^{16} + 17T^{15} - 132T^{14} + 623T^{13} - 2002T^{12} + 4641T^{11} - 8008T^{10} + 10439T^9 - 10296T^8 + 7579T^7 - 4004T^6 + 1365T^5 - 182T^4 - 77T^3 + 48T^2 - 11T + 1)/(-T + 1)^{16}$	24
2	3	$(2T^9 - 15T^8 + 48T^7 - 84T^6 + 84T^5 - 42T^4 + 12T^2 - 6T + 1)/(-T + 1)^{10}$	4
2	3	$(2T^{15} - 27T^{14} + 168T^{13} - 637T^{12} + 1638T^{11} - 3003T^{10} + 4004T^9 - 3861T^8 + 2574T^7 - 1001T^6 + 273T^4 - 182T^3 + 63T^2 - 12T + 1)/(-T + 1)^{16}$	67
2	4	$(3T^{15} - 41T^{14} + 259T^{13} - 1001T^{12} + 2639T^{11} - 5005T^{10} + 7007T^9 - 7293T^8 + 5577T^7 - 3003T^6 + 1001T^5 - 91T^4 - 91T^3 + 49T^2 - 11T + 1)/(-T + 1)^{16}$	5
2	4	$(-T^{16} + 18T^{15} - 146T^{14} + 714T^{13} - 2366T^{12} + 5642T^{11} - 10010T^{10} + 13442T^9 - 13728T^8 + 10582T^7 - 6006T^6 + 2366T^5 - 546T^4 + 14T^3 + 34T^2 - 10T + 1)/(-T + 1)^{16}$	6
3	1	$(-T^5 + 5T^4 - 10T^3 + 10T^2 - 5T + 1)/(-T + 1)^8$	36
3	1	$(-T^3 + 3T^2 - 3T + 1)/(-T + 1)^6$	5
3	1	$(T^9 - 8T^8 + 27T^7 - 49T^6 + 49T^5 - 21T^4 - 7T^3 + 13T^2 - 6T + 1)/(-T + 1)^{10}$	5
3	1	$(T^6 - 6T^5 + 15T^4 - 20T^3 + 15T^2 - 6T + 1)/(-T + 1)^9$	4
3	2	$(-T^4 + 2T^3 - 2T + 1)/(-T + 1)^6$	2
3	2	$(T^9 - 9T^8 + 34T^7 - 70T^6 + 84T^5 - 56T^4 + 14T^3 + 6T^2 - 5T + 1)/(-T + 1)^{10}$	79
3	2	$(-T^6 + 4T^5 - 5T^4 + 5T^2 - 4T + 1)/(-T + 1)^8$	40

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Dimension	Degree	Hilbert Series	Count
3	2	$(-T^{10}+8T^9-27T^8+48T^7-42T^6+42T^4-48T^3+27T^2-8T+1)/(-T+1)^{12}$	129
3	2	$(-T^8+6T^7-14T^6+14T^5-14T^3+14T^2-6T+1)/(-T+1)^{10}$	57
3	2	$(T^{11}-11T^{10}+53T^9-147T^8+258T^7-294T^6+210T^5-78T^4-3T^3+17T^2-7T+1)/(-T+1)^{12}$	5
3	2	$(T^7-5T^6+9T^5-5T^4-5T^3+9T^2-5T+1)/(-T+1)^9$	73
3	3	$(T^8-5T^7+10T^6-11T^5+10T^4-11T^3+10T^2-5T+1)/(-T+1)^9$	18
3	3	$(-2T^6+9T^5-15T^4+10T^3-3T+1)/(-T+1)^8$	26
3	3	$(-2T^8+13T^7-35T^6+49T^5-35T^4+7T^3+7T^2-5T+1)/(-T+1)^{10}$	36
3	3	$(T^{11}-12T^{10}+62T^9-183T^8+342T^7-420T^6+336T^5-162T^4+33T^3+8T^2-6T+1)/(-T+1)^{12}$	2
3	3	$(2T^7-11T^6+24T^5-25T^4+10T^3+3T^2-4T+1)/(-T+1)^9$	31
3	3	$(-T^8+9T^7-32T^6+59T^5-60T^4+31T^3-4T^2-3T+1)/(-T+1)^9$	6
3	3	$(-2T^{10}+17T^9-63T^8+132T^7-168T^6+126T^5-42T^4-12T^3+18T^2-7T+1)/(-T+1)^{12}$	22
3	4	$(T^8-4T^7+4T^6+4T^5-10T^4+4T^3+4T^2-4T+1)/(-T+1)^9$	24
3	4	$(-3T^8+20T^7-56T^6+84T^5-70T^4+28T^3-4T+1)/(-T+1)^{10}$	23
3	5	$(4T^7-23T^6+54T^5-65T^4+40T^3-9T^2-2T+1)/(-T+1)^9$	2
3	5	$(-4T^{10}+35T^9-135T^8+300T^7-420T^6+378T^5-210T^4+60T^3-5T+1)/(-T+1)^{12}$	7
3	6	$(-T^{11}+5T^{10}-T^9-51T^8+174T^7-294T^6+294T^5-174T^4+51T^3+T^2-5T+1)/(-T+1)^{12}$	5
3	6	$(-5T^{14}+64T^{13}-377T^{12}+1352T^{11}-3289T^{10}+5720T^9-7293T^8+6864T^7-4719T^6+2288T^5-715T^4+104T^3+13T^2-8T+1)/(-T+1)^{16}$	5

Dimension	Degree	Hilbert Series	Count
3	6	$(-T^{15}+9T^{14}-27T^{13}-13T^{12}+351T^{11}-1287T^{10}+2717T^9-3861T^8+3861T^7-2717T^6+1287T^5-351T^4+13T^3+27T^2-9T+1)/(-T+1)^{16}$	9
3	6	$(2T^8-9T^7+13T^6-T^5-15T^4+13T^3-T^2-3T+1)/(-T+1)^9$	8
3	7	$(-T^{11}+4T^{10}+8T^9-87T^8+258T^7-420T^6+420T^5-258T^4+87T^3-8T^2-4T+1)/(-T+1)^{12}$	3
3	8	$(3T^8-14T^7+22T^6-6T^5-20T^4+22T^3-6T^2-2T+1)/(-T+1)^9$	6
3	8	$(-T^{15}+7T^{14}-T^{13}-169T^{12}+923T^{11}-2717T^{10}+5291T^9-7293T^8+7293T^7-5291T^6+2717T^5-923T^4+169T^3+T^2-7T+1)/(-T+1)^{16}$	3
4	3	$(-2T^6+9T^5-15T^4+10T^3-3T+1)/(-T+1)^9$	13
4	6	$(T^{10}-4T^9-3T^8+48T^7-126T^6+168T^5-126T^4+48T^3-3T^2-4T+1)/(-T+1)^{12}$	1
4	6	$(T^8-2T^7-8T^6+34T^5-50T^4+34T^3-8T^2-2T+1)/(-T+1)^{10}$	1
4	6	$(-T^{14}+18T^{13}-137T^{12}+604T^{11}-1749T^{10}+3542T^9-5181T^8+5544T^7-4323T^6+2398T^5-891T^4+188T^3-7T^2-6T+1)/(-T+1)^{16}$	1

3   N=4

3.1   E=4

Table 10: Quivers with 4 Vertices and 4 Edges

Dimension	Degree	Hilbert Series	Count
0	1	1	1

3.2   E=5

Table 11: Quivers with 4 Vertices and 5 Edges

Dimension	Degree	Hilbert Series	Count
0	1	$(T^2 - 2T + 1)/(-T + 1)^2$	4
1	1	$1/(-T + 1)$	1

3.3   E=6

Table 12: Quivers with 4 Vertices and 6 Edges

Dimension	Degree	Hilbert Series	Count
0	1	$(T^4 - 4T^3 + 6T^2 - 4T + 1)/(-T + 1)^4$	121
0	1	$(-T^3 + 3T^2 - 3T + 1)/(-T + 1)^3$	2
1	1	$(T^2 - 2T + 1)/(-T + 1)^3$	9
1	1	$(-T^3 + 3T^2 - 3T + 1)/(-T + 1)^4$	43
2	1	$(T^2 - 2T + 1)/(-T + 1)^4$	23
2	1	$(-T + 1)(-2)$	1
2	2	$(T^3 - T^2 - T + 1)/(-T + 1)^4$	1
2	2	$(T^5 - 3T^4 + 2T^3 + 2T^2 - 3T + 1)/(-T + 1)^6$	2

3.4 E=7

Table 13: Quivers with 4 Vertices and 7 Edges

Dimension	Degree	Hilbert Series	Count
0	1	$(T^6 - 6T^5 + 15T^4 - 20T^3 + 15T^2 - 6T + 1)/(-T+1)^6$	398
0	1	$(T^4 - 4T^3 + 6T^2 - 4T + 1)/(-T+1)^4$	16
0	1	$(T^8 - 8T^7 + 28T^6 - 56T^5 + 70T^4 - 56T^3 + 28T^2 - 8T + 1)/(-T+1)^8$	3272
0	1	$(-T^5 + 5T^4 - 10T^3 + 10T^2 - 5T + 1)/(-T+1)^5$	16
1	1	$(-T^7 + 7T^6 - 21T^5 + 35T^4 - 35T^3 + 21T^2 - 7T + 1)/(-T+1)^8$	1570
1	1	$(T^4 - 4T^3 + 6T^2 - 4T + 1)/(-T+1)^5$	111
1	1	$(-T^5 + 5T^4 - 10T^3 + 10T^2 - 5T + 1)/(-T+1)^6$	198
1	2	$(T^5 - 3T^4 + 2T^3 + 2T^2 - 3T + 1)/(-T+1)^5$	4
1	2	$(-T^8 + 6T^7 - 14T^6 + 14T^5 - 14T^3 + 14T^2 - 6T + 1)/(-T+1)^8$	95
1	3	$(2T^5 - 7T^4 + 8T^3 - 2T^2 - 2T + 1)/(-T+1)^5$	2
2	1	$(T^6 - 6T^5 + 15T^4 - 20T^3 + 15T^2 - 6T + 1)/(-T+1)^8$	143
2	1	$(T^4 - 4T^3 + 6T^2 - 4T + 1)/(-T+1)^6$	245
2	1	$(-T^3 + 3T^2 - 3T + 1)/(-T+1)^5$	34
2	1	$(T^2 - 2T + 1)/(-T+1)^4$	12
2	2	$(T^7 - 5T^6 + 9T^5 - 5T^4 - 5T^3 + 9T^2 - 5T + 1)/(-T+1)^8$	399
2	2	$(-T^4 + 2T^3 - 2T + 1)/(-T+1)^5$	2
2	2	$(T^5 - 3T^4 + 2T^3 + 2T^2 - 3T + 1)/(-T+1)^6$	74
2	3	$(2T^7 - 11T^6 + 24T^5 - 25T^4 + 10T^3 + 3T^2 - 4T + 1)/(-T+1)^8$	74
2	3	$(-2T^4 + 5T^3 - 3T^2 - T + 1)/(-T+1)^5$	1
3	1	$(-T^4 + 3T^3 - 2T^2 - T + 1)/(-T+1)^5$	1
3	1	$(T^5 - 4T^4 + 5T^3 - T^2 - 2T + 1)/(-T+1)^6$	4
3	1	$(-T^3 + 3T^2 - 3T + 1)/(-T+1)^6$	9
3	1	$(T^2 - 2T + 1)/(-T+1)^5$	17
3	2	$(T^3 - T^2 - T + 1)/(-T+1)^5$	2
3	2	$(T^7 - 7T^6 + 19T^5 - 25T^4 + 15T^3 - T^2 - 3T + 1)/(-T+1)^8$	47
3	2	$(-T^6 + 4T^5 - 5T^4 + 5T^2 - 4T + 1)/(-T+1)^8$	125
		Continued on next page →	

Dimension	Degree	Hilbert Series	Count
3	2	$(-T^4 + 2T^3 - 2T + 1)/(-T + 1)^6$	13
3	4	$(-3T^6 + 14T^5 - 25T^4 + 20T^3 - 5T^2 - 2T + 1)/(-T + 1)^8$	3

3.5   E=8

Table 14: Quivers with 4 Vertices and 8 Edges

Dimension	Degree	Hilbert Series	Count
0	1	$(T^8 - 8T^7 + 28T^6 - 56T^5 + 70T^4 - 56T^3 + 28T^2 - 8T + 1)/(-T + 1)^8$	677
0	1	$(T^{16} - 16T^{15} + 120T^{14} - 560T^{13} + 1820T^{12} - 4368T^{11} + 8008T^{10} - 11440T^9 + 12870T^8 - 11440T^7 + 8008T^6 - 4368T^5 + 1820T^4 - 560T^3 + 120T^2 - 16T + 1)/(-T + 1)^{16}$	6968
0	1	$(T^{12} - 12T^{11} + 66T^{10} - 220T^9 + 495T^8 - 792T^7 + 924T^6 - 792T^5 + 495T^4 - 220T^3 + 66T^2 - 12T + 1)/(-T + 1)^{12}$	1777
0	1	$(T^{10} - 10T^9 + 45T^8 - 120T^7 + 210T^6 - 252T^5 + 210T^4 - 120T^3 + 45T^2 - 10T + 1)/(-T + 1)^{10}$	1385
0	1	$(-T^9 + 9T^8 - 36T^7 + 84T^6 - 126T^5 + 126T^4 - 84T^3 + 36T^2 - 9T + 1)/(-T + 1)^9$	315
0	1	$(T^6 - 6T^5 + 15T^4 - 20T^3 + 15T^2 - 6T + 1)/(-T + 1)^6$	314
0	2	$(-T^{10} + 8T^9 - 27T^8 + 48T^7 - 42T^6 + 42T^4 - 48T^3 + 27T^2 - 8T + 1)/(-T + 1)^9$	27
1	1	$(-T^9 + 9T^8 - 36T^7 + 84T^6 - 126T^5 + 126T^4 - 84T^3 + 36T^2 - 9T + 1)/(-T + 1)^{10}$	615
1	1	$(-T^7 + 7T^6 - 21T^5 + 35T^4 - 35T^3 + 21T^2 - 7T + 1)/(-T + 1)^8$	661
1	1	$(T^8 - 8T^7 + 28T^6 - 56T^5 + 70T^4 - 56T^3 + 28T^2 - 8T + 1)/(-T + 1)^9$	3129
		Continued on next page →	

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Dimension	Degree	Hilbert Series	Count
1	1	$(-T^{15} + 15T^{14} - 105T^{13} + 455T^{12} - 1365T^{11} + 3003T^{10} - 5005T^9 + 6435T^8 - 6435T^7 + 5005T^6 - 3003T^5 + 1365T^4 - 455T^3 + 105T^2 - 15T + 1)/(-T + 1)^{16}$	1374
1	1	$(-T^{11} + 11T^{10} - 55T^9 + 165T^8 - 330T^7 + 462T^6 - 462T^5 + 330T^4 - 165T^3 + 55T^2 - 11T + 1)/(-T + 1)^{12}$	2392
1	1	$(T^6 - 6T^5 + 15T^4 - 20T^3 + 15T^2 - 6T + 1)/(-T + 1)^7$	14
1	1	$(-T^5 + 5T^4 - 10T^3 + 10T^2 - 5T + 1)/(-T + 1)^6$	138
1	1	$(T^4 - 4T^3 + 6T^2 - 4T + 1)/(-T + 1)^5$	4
1	2	$(-T^{16} + 14T^{15} - 90T^{14} + 350T^{13} - 910T^{12} + 1638T^{11} - 2002T^{10} + 1430T^9 - 1430T^7 + 2002T^6 - 1638T^5 + 910T^4 - 350T^3 + 90T^2 - 14T + 1)/(-T + 1)^{16}$	1437
1	2	$(T^9 - 7T^8 + 20T^7 - 28T^6 + 14T^5 + 14T^4 - 28T^3 + 20T^2 - 7T + 1)/(-T + 1)^9$	342
1	2	$(-T^8 + 6T^7 - 14T^6 + 14T^5 - 14T^3 + 14T^2 - 6T + 1)/(-T + 1)^8$	91
1	2	$(T^7 - 5T^6 + 9T^5 - 5T^4 - 5T^3 + 9T^2 - 5T + 1)/(-T + 1)^7$	52
1	2	$(-T^{12} + 10T^{11} - 44T^{10} + 110T^9 - 165T^8 + 132T^7 - 132T^5 + 165T^4 - 110T^3 + 44T^2 - 10T + 1)/(-T + 1)^{12}$	920
1	3	$(-2T^{12} + 21T^{11} - 99T^{10} + 275T^9 - 495T^8 + 594T^7 - 462T^6 + 198T^5 - 55T^3 + 33T^2 - 9T + 1)/(-T + 1)^{12}$	109
1	3	$(2T^9 - 15T^8 + 48T^7 - 84T^6 + 84T^5 - 42T^4 + 12T^2 - 6T + 1)/(-T + 1)^9$	102
1	3	$(2T^7 - 11T^6 + 24T^5 - 25T^4 + 10T^3 + 3T^2 - 4T + 1)/(-T + 1)^7$	12
1	3	$(-2T^{16} + 29T^{15} - 195T^{14} + 805T^{13} - 2275T^{12} + 4641T^{11} - 7007T^{10} + 7865T^9 - 6435T^8 + 3575T^7 - 1001T^6 - 273T^5 + 455T^4 - 245T^3 + 75T^2 - 13T + 1)/(-T + 1)^{16}$	353
1	4	$(-3T^{12} + 32T^{11} - 154T^{10} + 440T^9 - 825T^8 + 1056T^7 - 924T^6 + 528T^5 - 165T^4 + 22T^2 - 8T + 1)/(-T + 1)^{12}$	5

Dimension	Degree	Hilbert Series	Count
1	4	$(-3T^{16} + 44T^{15} - 300T^{14} + 1260T^{13} - 3640T^{12} + 7644T^{11} - 12012T^{10} + 14300T^9 - 12870T^8 + 8580T^7 - 4004T^6 + 1092T^5 - 140T^3 + 60T^2 - 12T + 1)/(-T + 1)^{16}$	109
1	5	$(-4T^{16} + 59T^{15} - 405T^{14} + 1715T^{13} - 5005T^{12} + 10647T^{11} - 17017T^{10} + 20735T^9 - 19305T^8 + 13585T^7 - 7007T^6 + 2457T^5 - 455T^4 - 35T^3 + 45T^2 - 11T + 1)/(-T + 1)^{16}$	16
2	1	$(-2T^{12} + 22T^{11} - 109T^{10} + 320T^9 - 615T^8 + 804T^7 - 714T^6 + 408T^5 - 120T^4 - 10T^3 + 23T^2 - 8T + 1)/(-T + 1)^{12}$	3
2	1	$(T^8 - 8T^7 + 28T^6 - 56T^5 + 70T^4 - 56T^3 + 28T^2 - 8T + 1)/(-T + 1)^{10}$	2476
2	1	$(T^9 - 8T^8 + 27T^7 - 49T^6 + 49T^5 - 21T^4 - 7T^3 + 13T^2 - 6T + 1)/(-T + 1)^9$	205
2	1	$(2T^9 - 16T^8 + 55T^7 - 105T^6 + 119T^5 - 77T^4 + 21T^3 + 5T^2 - 5T + 1)/(-T + 1)^9$	42
2	1	$(-T^{16} + 15T^{15} - 104T^{14} + 441T^{13} - 1274T^{12} + 2639T^{11} - 4004T^{10} + 4433T^9 - 3432T^8 + 1573T^7 - 637T^5 + 546T^4 - 259T^3 + 76T^2 - 13T + 1)/(-T + 1)^{16}$	20
2	1	$(-T^{10} + 10T^9 - 44T^8 + 111T^7 - 175T^6 + 175T^5 - 105T^4 + 29T^3 + 4T^2 - 5T + 1)/(-T + 1)^9$	5
2	1	$(T^4 - 4T^3 + 6T^2 - 4T + 1)/(-T + 1)^6$	153
2	1	$(T^{10} - 10T^9 + 45T^8 - 120T^7 + 210T^6 - 252T^5 + 210T^4 - 120T^3 + 45T^2 - 10T + 1)/(-T + 1)^{12}$	331
2	1	$(T^{14} - 14T^{13} + 91T^{12} - 364T^{11} + 1001T^{10} - 2002T^9 + 3003T^8 - 3432T^7 + 3003T^6 - 2002T^5 + 1001T^4 - 364T^3 + 91T^2 - 14T + 1)/(-T + 1)^{16}$	84
2	1	$(2T^7 - 12T^6 + 29T^5 - 35T^4 + 20T^3 - 2T^2 - 3T + 1)/(-T + 1)^7$	8
2	1	$(T^6 - 6T^5 + 15T^4 - 20T^3 + 15T^2 - 6T + 1)/(-T + 1)^8$	520
2	1	$(-T^5 + 5T^4 - 10T^3 + 10T^2 - 5T + 1)/(-T + 1)^7$	28

Dimension	Degree	Hilbert Series	Count
2	1	$(-T^{12}+11T^{11}-54T^{10}+155T^9-285T^8+342T^7-252T^6+78T^5+45T^4-65T^3+34T^2-9T+1)/(-T+1)^{12}$	56
2	1	$(-T^7+7T^6-21T^5+35T^4-35T^3+21T^2-7T+1)/(-T+1)^9$	1677
2	1	$(-2T^{16}+30T^{15}-209T^{14}+896T^{13}-2639T^{12}+5642T^{11}-9009T^{10}+10868T^9-9867T^8+6578T^7-3003T^6+728T^5+91T^4-154T^3+61T^2-12T+1)/(-T+1)^{16}$	1
2	2	$(T^9-7T^8+20T^7-28T^6+14T^5+14T^4-28T^3+20T^2-7T+1)/(-T+1)^{10}$	655
2	2	$(2T^9-17T^8+62T^7-126T^6+154T^5-112T^4+42T^3-2T^2-4T+1)/(-T+1)^9$	14
2	2	$(T^7-5T^6+9T^5-5T^4-5T^3+9T^2-5T+1)/(-T+1)^8$	372
2	2	$(-T^{16}+16T^{15}-118T^{14}+532T^{13}-1638T^{12}+3640T^{11}-6006T^{10}+7436T^9-6864T^8+4576T^7-2002T^6+364T^5+182T^4-168T^3+62T^2-12T+1)/(-T+1)^{16}$	174
2	2	$(-2T^{16}+31T^{15}-223T^{14}+987T^{13}-3003T^{12}+6643T^{11}-11011T^{10}+13871T^9-13299T^8+9581T^7-5005T^6+1729T^5-273T^4-63T^3+47T^2-11T+1)/(-T+1)^{16}$	59
2	2	$(-3T^{16}+46T^{15}-328T^{14}+1442T^{13}-4368T^{12}+9646T^{11}-16016T^{10}+20306T^9-19734T^8+14586T^7-8008T^6+3094T^5-728T^4+42T^3+32T^2-10T+1)/(-T+1)^{16}$	6
2	2	$(-T^8+6T^7-14T^6+14T^5-14T^3+14T^2-6T+1)/(-T+1)^9$	300
2	2	$(-T^{12}+12T^{11}-64T^{10}+200T^9-405T^8+552T^7-504T^6+288T^5-75T^4-20T^3+24T^2-8T+1)/(-T+1)^{12}$	75
2	2	$(T^9-9T^8+34T^7-70T^6+84T^5-56T^4+14T^3+6T^2-5T+1)/(-T+1)^9$	68
2	2	$(T^{15}-13T^{14}+77T^{13}-273T^{12}+637T^{11}-1001T^{10}+1001T^9-429T^8-429T^7+1001T^6-1001T^5+637T^4-273T^3+77T^2-13T+1)/(-T+1)^{16}$	617
2	2	$(-T^6+4T^5-5T^4+5T^2-4T+1)/(-T+1)^7$	48
		Continued on next page →	

Dimension	Degree	Hilbert Series	Count
2	2	$(T^{11} - 9T^{10} + 35T^9 - 75T^8 + 90T^7 - 42T^6 - 42T^5 + 90T^4 - 75T^3 + 35T^2 - 9T + 1)/(-T+1)^{12}$	272
2	3	$(2T^{11} - 19T^{10} + 80T^9 - 195T^8 + 300T^7 - 294T^6 + 168T^5 - 30T^4 - 30T^3 + 25T^2 - 8T + 1)/(-T+1)^{12}$	47
2	3	$(-2T^8 + 13T^7 - 35T^6 + 49T^5 - 35T^4 + 7T^3 + 7T^2 - 5T + 1)/(-T+1)^9$	57
2	3	$(T^9 - 10T^8 + 41T^7 - 91T^6 + 119T^5 - 91T^4 + 35T^3 - T^2 - 4T + 1)/(-T+1)^9$	20
2	3	$(-2T^{16} + 32T^{15} - 237T^{14} + 1078T^{13} - 3367T^{12} + 7644T^{11} - 13013T^{10} + 16874T^9 - 16731T^8 + 12584T^7 - 7007T^6 + 2730T^5 - 637T^4 + 28T^3 + 33T^2 - 10T + 1)/(-T+1)^{16}$	13
2	3	$(-T^{12} + 13T^{11} - 74T^{10} + 245T^9 - 525T^8 + 762T^7 - 756T^6 + 498T^5 - 195T^4 + 25T^3 + 14T^2 - 7T + 1)/(-T+1)^{12}$	7
2	3	$(2T^{15} - 27T^{14} + 168T^{13} - 637T^{12} + 1638T^{11} - 3003T^{10} + 4004T^9 - 3861T^8 + 2574T^7 - 1001T^6 + 273T^4 - 182T^3 + 63T^2 - 12T + 1)/(-T+1)^{16}$	129
2	3	$(-2T^6 + 9T^5 - 15T^4 + 10T^3 - 3T + 1)/(-T+1)^7$	12
2	3	$(2T^9 - 15T^8 + 48T^7 - 84T^6 + 84T^5 - 42T^4 + 12T^2 - 6T + 1)/(-T+1)^{10}$	149
2	3	$(-3T^{16} + 47T^{15} - 342T^{14} + 1533T^{13} - 4732T^{12} + 10647T^{11} - 18018T^{10} + 23309T^9 - 23166T^8 + 17589T^7 - 10010T^6 + 4095T^5 - 1092T^4 + 133T^3 + 18T^2 - 9T + 1)/(-T+1)^{16}$	1
2	3	$(2T^5 - 7T^4 + 8T^3 - 2T^2 - 2T + 1)/(-T+1)^6$	2
2	3	$(-T^{16} + 17T^{15} - 132T^{14} + 623T^{13} - 2002T^{12} + 4641T^{11} - 8008T^{10} + 10439T^9 - 10296T^8 + 7579T^7 - 4004T^6 + 1365T^5 - 182T^4 - 77T^3 + 48T^2 - 11T + 1)/(-T+1)^{16}$	36
2	4	$(-T^{16} + 18T^{15} - 146T^{14} + 714T^{13} - 2366T^{12} + 5642T^{11} - 10010T^{10} + 13442T^9 - 13728T^8 + 10582T^7 - 6006T^6 + 2366T^5 - 546T^4 + 14T^3 + 34T^2 - 10T + 1)/(-T+1)^{16}$	13

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Dimension	Degree	Hilbert Series	Count
2	4	$(3T^{11} - 29T^{10} + 125T^9 - 315T^8 + 510T^7 - 546T^6 + 378T^5 - 150T^4 + 15T^3 + 15T^2 - 7T + 1)/(-T + 1)^{12}$	10
2	4	$(3T^{15} - 41T^{14} + 259T^{13} - 1001T^{12} + 2639T^{11} - 5005T^{10} + 7007T^9 - 7293T^8 + 5577T^7 - 3003T^6 + 1001T^5 - 91T^4 - 91T^3 + 49T^2 - 11T + 1)/(-T + 1)^{16}$	21
2	5	$(-T^{16} + 19T^{15} - 160T^{14} + 805T^{13} - 2730T^{12} + 6643T^{11} - 12012T^{10} + 16445T^9 - 17160T^8 + 13585T^7 - 8008T^6 + 3367T^5 - 910T^4 + 105T^3 + 20T^2 - 9T + 1)/(-T + 1)^{16}$	1
2	5	$(4T^{15} - 55T^{14} + 350T^{13} - 1365T^{12} + 3640T^{11} - 7007T^{10} + 10010T^9 - 10725T^8 + 8580T^7 - 5005T^6 + 2002T^5 - 455T^4 + 35T^2 - 10T + 1)/(-T + 1)^{16}$	8
2	6	$(3T^6 - 10T^5 + 11T^4 - 4T^3 + T^2 - 2T + 1)/(-T + 1)^6$	2
3	1	$(T^6 - 6T^5 + 15T^4 - 20T^3 + 15T^2 - 6T + 1)/(-T + 1)^9$	427
3	1	$(T^4 - 4T^3 + 6T^2 - 4T + 1)/(-T + 1)^7$	99
3	1	$(-T^3 + 3T^2 - 3T + 1)/(-T + 1)^6$	49
3	1	$(-T^5 + 5T^4 - 10T^3 + 10T^2 - 5T + 1)/(-T + 1)^8$	87
3	1	$(T^2 - 2T + 1)/(-T + 1)^5$	4
3	1	$(T^9 - 8T^8 + 27T^7 - 49T^6 + 49T^5 - 21T^4 - 7T^3 + 13T^2 - 6T + 1)/(-T + 1)^{10}$	17
3	1	$(T^7 - 6T^6 + 14T^5 - 15T^4 + 5T^3 + 4T^2 - 4T + 1)/(-T + 1)^8$	16
3	2	$(-T^4 + 2T^3 - 2T + 1)/(-T + 1)^6$	23
3	2	$(-T^8 + 6T^7 - 14T^6 + 14T^5 - 14T^3 + 14T^2 - 6T + 1)/(-T + 1)^{10}$	158
3	2	$(-T^{14} + 12T^{13} - 65T^{12} + 208T^{11} - 429T^{10} + 572T^9 - 429T^8 + 429T^6 - 572T^5 + 429T^4 - 208T^3 + 65T^2 - 12T + 1)/(-T + 1)^{16}$	10
3	2	$(T^5 - 3T^4 + 2T^3 + 2T^2 - 3T + 1)/(-T + 1)^7$	64
3	2	$(T^{15} - 15T^{14} + 103T^{13} - 429T^{12} + 1209T^{11} - 2431T^{10} + 3575T^9 - 3861T^8 + 3003T^7 - 1573T^6 + 429T^5 + 65T^4 - 117T^3 + 51T^2 - 11T + 1)/(-T + 1)^{16}$	12

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Dimension	Degree	Hilbert Series	Count
3	2	$(-T^{16} + 15T^{15} - 106T^{14} + 467T^{13} - 1430T^{12} + 3211T^{11} - 5434T^{10} + 7007T^9 - 6864T^8 + 5005T^7 - 2574T^6 + 793T^5 - 26T^4 - 103T^3 + 50T^2 - 11T + 1)/(-T + 1)^{16}$	2
3	2	$(2T^{15} - 29T^{14} + 194T^{13} - 793T^{12} + 2210T^{11} - 4433T^{10} + 6578T^9 - 7293T^8 + 6006T^7 - 3575T^6 + 1430T^5 - 299T^4 - 26T^3 + 37T^2 - 10T + 1)/(-T + 1)^{16}$	2
3	2	$(-T^{16} + 17T^{15} - 134T^{14} + 649T^{13} - 2158T^{12} + 5213T^{11} - 9438T^{10} + 13013T^9 - 13728T^8 + 11011T^7 - 6578T^6 + 2795T^5 - 754T^4 + 79T^3 + 22T^2 - 9T + 1)/(-T + 1)^{16}$	1
3	2	$(-T^6 + 6T^5 - 13T^4 + 12T^3 - 3T^2 - 2T + 1)/(-T + 1)^7$	1
3	2	$(-T^{10} + 8T^9 - 27T^8 + 48T^7 - 42T^6 + 42T^4 - 48T^3 + 27T^2 - 8T + 1)/(-T + 1)^{12}$	290
3	2	$(T^7 - 5T^6 + 9T^5 - 5T^4 - 5T^3 + 9T^2 - 5T + 1)/(-T + 1)^9$	584
3	2	$(-T^6 + 4T^5 - 5T^4 + 5T^2 - 4T + 1)/(-T + 1)^8$	237
3	2	$(T^{11} - 11T^{10} + 53T^9 - 147T^8 + 258T^7 - 294T^6 + 210T^5 - 78T^4 - 3T^3 + 17T^2 - 7T + 1)/(-T + 1)^{12}$	53
3	2	$(2T^{11} - 21T^{10} + 98T^9 - 267T^8 + 468T^7 - 546T^6 + 420T^5 - 198T^4 + 42T^3 + 7T^2 - 6T + 1)/(-T + 1)^{12}$	3
3	2	$(-T^{16} + 16T^{15} - 120T^{14} + 558T^{13} - 1794T^{12} + 4212T^{11} - 7436T^{10} + 10010T^9 - 10296T^8 + 8008T^7 - 4576T^6 + 1794T^5 - 390T^4 - 12T^3 + 36T^2 - 10T + 1)/(-T + 1)^{16}$	2
3	2	$(-T^8 + 8T^7 - 26T^6 + 44T^5 - 40T^4 + 16T^3 + 2T^2 - 4T + 1)/(-T + 1)^9$	3
3	2	$(T^9 - 9T^8 + 34T^7 - 70T^6 + 84T^5 - 56T^4 + 14T^3 + 6T^2 - 5T + 1)/(-T + 1)^{10}$	175
3	3	$(T^{11} - 12T^{10} + 62T^9 - 183T^8 + 342T^7 - 420T^6 + 336T^5 - 162T^4 + 33T^3 + 8T^2 - 6T + 1)/(-T + 1)^{12}$	18
3	3	$(2T^5 - 7T^4 + 8T^3 - 2T^2 - 2T + 1)/(-T + 1)^7$	12

Dimension	Degree	Hilbert Series	Count
3	3	$(-2T^{10} + 17T^9 - 63T^8 + 132T^7 - 168T^6 + 126T^5 - 42T^4 - 12T^3 + 18T^2 - 7T + 1)/(-T + 1)^{12}$	77
3	3	$(T^6 - 3T^5 + 3T^4 - 2T^3 + 3T^2 - 3T + 1)/(-T + 1)^7$	6
3	3	$(-T^8 + 9T^7 - 32T^6 + 59T^5 - 60T^4 + 31T^3 - 4T^2 - 3T + 1)/(-T + 1)^9$	14
3	3	$(-2T^4 + 5T^3 - 3T^2 - T + 1)/(-T + 1)^6$	2
3	3	$(-2T^6 + 9T^5 - 15T^4 + 10T^3 - 3T + 1)/(-T + 1)^8$	80
3	3	$(-2T^8 + 13T^7 - 35T^6 + 49T^5 - 35T^4 + 7T^3 + 7T^2 - 5T + 1)/(-T + 1)^{10}$	136
3	3	$(T^8 - 5T^7 + 10T^6 - 11T^5 + 10T^4 - 11T^3 + 10T^2 - 5T + 1)/(-T + 1)^9$	26
3	3	$(2T^7 - 11T^6 + 24T^5 - 25T^4 + 10T^3 + 3T^2 - 4T + 1)/(-T + 1)^9$	177
3	4	$(-3T^{10} + 26T^9 - 99T^8 + 216T^7 - 294T^6 + 252T^5 - 126T^4 + 24T^3 + 9T^2 - 6T + 1)/(-T + 1)^{12}$	8
3	4	$(T^8 - 4T^7 + 4T^6 + 4T^5 - 10T^4 + 4T^3 + 4T^2 - 4T + 1)/(-T + 1)^9$	72
3	4	$(-3T^8 + 20T^7 - 56T^6 + 84T^5 - 70T^4 + 28T^3 - 4T + 1)/(-T + 1)^{10}$	52
3	4	$(T^6 - 2T^5 - T^4 + 4T^3 - T^2 - 2T + 1)/(-T + 1)^7$	3
3	4	$(-3T^{14} + 38T^{13} - 221T^{12} + 780T^{11} - 1859T^{10} + 3146T^9 - 3861T^8 + 3432T^7 - 2145T^6 + 858T^5 - 143T^4 - 52T^3 + 39T^2 - 10T + 1)/(-T + 1)^{16}$	2
3	4	$(3T^7 - 17T^6 + 39T^5 - 45T^4 + 25T^3 - 3T^2 - 3T + 1)/(-T + 1)^9$	2
3	4	$(3T^5 - 11T^4 + 14T^3 - 6T^2 - T + 1)/(-T + 1)^7$	2
3	5	$(T^8 - 3T^7 - 2T^6 + 19T^5 - 30T^4 + 19T^3 - 2T^2 - 3T + 1)/(-T + 1)^9$	3
3	5	$(4T^7 - 23T^6 + 54T^5 - 65T^4 + 40T^3 - 9T^2 - 2T + 1)/(-T + 1)^9$	3
3	5	$(-4T^{10} + 35T^9 - 135T^8 + 300T^7 - 420T^6 + 378T^5 - 210T^4 + 60T^3 - 5T + 1)/(-T + 1)^{12}$	26
3	6	$(-T^{11} + 5T^{10} - T^9 - 51T^8 + 174T^7 - 294T^6 + 294T^5 - 174T^4 + 51T^3 + T^2 - 5T + 1)/(-T + 1)^{12}$	8

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Dimension	Degree	Hilbert Series	Count
3	6	$(-3T^5 + 7T^4 - 4T^3 - T + 1)/(-T+1)^6$	2
3	6	$(2T^8 - 9T^7 + 13T^6 - T^5 - 15T^4 + 13T^3 - T^2 - 3T + 1)/(-T+1)^9$	18
3	6	$(-5T^{14} + 64T^{13} - 377T^{12} + 1352T^{11} - 3289T^{10} + 5720T^9 - 7293T^8 + 6864T^7 - 4719T^6 + 2288T^5 - 715T^4 + 104T^3 + 13T^2 - 8T + 1)/(-T+1)^{16}$	7
3	6	$(-T^{15} + 9T^{14} - 27T^{13} - 13T^{12} + 351T^{11} - 1287T^{10} + 2717T^9 - 3861T^8 + 3861T^7 - 2717T^6 + 1287T^5 - 351T^4 + 13T^3 + 27T^2 - 9T + 1)/(-T+1)^{16}$	14
3	7	$(-T^{11} + 4T^{10} + 8T^9 - 87T^8 + 258T^7 - 420T^6 + 420T^5 - 258T^4 + 87T^3 - 8T^2 - 4T + 1)/(-T+1)^{12}$	7
3	8	$(3T^8 - 14T^7 + 22T^6 - 6T^5 - 20T^4 + 22T^3 - 6T^2 - 2T + 1)/(-T+1)^9$	8
3	10	$(-2T^{15} + 19T^{14} - 66T^{13} + 39T^{12} + 494T^{11} - 2145T^{10} + 4862T^9 - 7293T^8 + 7722T^7 - 5863T^6 + 3146T^5 - 1131T^4 + 234T^3 - 11T^2 - 6T + 1)/(-T+1)^{16}$	3
4	1	$(T^2 - 2T + 1)/(-T+1)^6$	14
4	1	$(T^4 - 4T^3 + 6T^2 - 4T + 1)/(-T+1)^8$	84
4	1	$(-T^6 + 5T^5 - 9T^4 + 6T^3 + T^2 - 3T + 1)/(-T+1)^8$	49
4	2	$(T^5 - 3T^4 + 2T^3 + 2T^2 - 3T + 1)/(-T+1)^8$	18
4	2	$(T^9 - 8T^8 + 29T^7 - 61T^6 + 79T^5 - 61T^4 + 23T^3 + T^2 - 4T + 1)/(-T+1)^{10}$	5
4	2	$(T^7 - 5T^6 + 9T^5 - 5T^4 - 5T^3 + 9T^2 - 5T + 1)/(-T+1)^{10}$	3
4	2	$(T^8 - 5T^7 + 8T^6 - T^5 - 10T^4 + 9T^3 - 3T + 1)/(-T+1)^9$	8
4	2	$(2T^7 - 13T^6 + 34T^5 - 45T^4 + 30T^3 - 7T^2 - 2T + 1)/(-T+1)^9$	2
4	2	$(2T^8 - 10T^7 + 17T^6 - 6T^5 - 15T^4 + 18T^3 - 5T^2 - 2T + 1)/(-T+1)^9$	2
4	2	$(-T^6 + 6T^5 - 13T^4 + 12T^3 - 3T^2 - 2T + 1)/(-T+1)^8$	8
4	2	$(-T^4 + 2T^3 - 2T + 1)/(-T+1)^7$	1
4	2	$(-T^6 + 4T^5 - 5T^4 + 5T^2 - 4T + 1)/(-T+1)^9$	156

Dimension	Degree	Hilbert Series	Count
4	2	$(T^7 - 7T^6 + 19T^5 - 25T^4 + 15T^3 - T^2 - 3T + 1)/(-T+1)^9$	62
4	3	$(-T^8 + 9T^7 - 32T^6 + 59T^5 - 60T^4 + 31T^3 - 4T^2 - 3T + 1)/(-T+1)^{10}$	10
4	3	$(2T^9 - 15T^8 + 48T^7 - 84T^6 + 84T^5 - 42T^4 + 12T^2 - 6T + 1)/(-T+1)^{12}$	3
4	3	$(2T^8 - 11T^7 + 22T^6 - 16T^5 - 5T^4 + 13T^3 - 4T^2 - 2T + 1)/(-T+1)^9$	3
4	3	$(2T^5 - 7T^4 + 8T^3 - 2T^2 - 2T + 1)/(-T+1)^8$	13
4	3	$(-2T^{10} + 20T^9 - 87T^8 + 216T^7 - 336T^6 + 336T^5 - 210T^4 + 72T^3 - 6T^2 - 4T + 1)/(-T+1)^{12}$	2
4	3	$(-2T^6 + 9T^5 - 15T^4 + 10T^3 - 3T + 1)/(-T+1)^9$	64
4	3	$(2T^7 - 11T^6 + 24T^5 - 25T^4 + 10T^3 + 3T^2 - 4T + 1)/(-T+1)^{10}$	23
4	6	$(T^{14} - 8T^{13} + 19T^{12} + 32T^{11} - 319T^{10} + 968T^9 - 1749T^8 + 2112T^7 - 1749T^6 + 968T^5 - 319T^4 + 32T^3 + 19T^2 - 8T + 1)/(-T+1)^{16}$	5
4	6	$(T^8 - 2T^7 - 8T^6 + 34T^5 - 50T^4 + 34T^3 - 8T^2 - 2T + 1)/(-T+1)^{10}$	5
4	6	$(-T^7 + T^6 + 9T^5 - 25T^4 + 25T^3 - 9T^2 - T + 1)/(-T+1)^9$	2
4	6	$(5T^9 - 39T^8 + 132T^7 - 252T^6 + 294T^5 - 210T^4 + 84T^3 - 12T^2 - 3T + 1)/(-T+1)^{12}$	1

4   N=5

4.1   E=5

Table 15: Quivers with 5 Vertices and 5 Edges

Dimension	Degree	Hilbert Series	Count
0	1	1	1

4.2   E=6

Table 16: Quivers with 5 Vertices and 6 Edges

Dimension	Degree	Hilbert Series	Count
0	1	$(T^2 - 2T + 1)/(-T + 1)^2$	6
1	1	$1/(-T + 1)$	3

4.3   E=7

Table 17: Quivers with 5 Vertices and 7 Edges

Dimension	Degree	Hilbert Series	Count
0	1	$(T^4 - 4T^3 + 6T^2 - 4T + 1)/(-T + 1)^4$	161
0	1	$(-T^3 + 3T^2 - 3T + 1)/(-T + 1)^3$	18
1	1	$(T^2 - 2T + 1)/(-T + 1)^3$	21
1	1	$(-T^3 + 3T^2 - 3T + 1)/(-T + 1)^4$	67
2	1	$(T^2 - 2T + 1)/(-T + 1)^4$	39
2	1	$(-T + 1)(-2)$	6
2	2	$(T^3 - T^2 - T + 1)/(-T + 1)^4$	3

4.4 E=8

Table 18: Quivers with 5 Vertices and 8 Edges

Dimension	Degree	Hilbert Series	Count
0	1	$(-T^5 + 5T^4 - 10T^3 + 10T^2 - 5T + 1)/(-T + 1)^5$	202
0	1	$(T^6 - 6T^5 + 15T^4 - 20T^3 + 15T^2 - 6T + 1)/(-T + 1)^6$	1674
0	1	$(T^4 - 4T^3 + 6T^2 - 4T + 1)/(-T + 1)^4$	120
0	1	$(T^8 - 8T^7 + 28T^6 - 56T^5 + 70T^4 - 56T^3 + 28T^2 - 8T + 1)/(-T + 1)^8$	5161
1	1	$(-T^5 + 5T^4 - 10T^3 + 10T^2 - 5T + 1)/(-T + 1)^6$	852
1	1	$(-T^3 + 3T^2 - 3T + 1)/(-T + 1)^4$	8
1	1	$(T^4 - 4T^3 + 6T^2 - 4T + 1)/(-T + 1)^5$	493
1	1	$(-T^7 + 7T^6 - 21T^5 + 35T^4 - 35T^3 + 21T^2 - 7T + 1)/(-T + 1)^8$	2749
1	2	$(T^5 - 3T^4 + 2T^3 + 2T^2 - 3T + 1)/(-T + 1)^5$	28
1	2	$(-T^6 + 4T^5 - 5T^4 + 5T^2 - 4T + 1)/(-T + 1)^6$	18
1	2	$(-T^8 + 6T^7 - 14T^6 + 14T^5 - 14T^3 + 14T^2 - 6T + 1)/(-T + 1)^8$	280
1	3	$(2T^5 - 7T^4 + 8T^3 - 2T^2 - 2T + 1)/(-T + 1)^5$	8
2	1	$(-T^3 + 3T^2 - 3T + 1)/(-T + 1)^5$	168
2	1	$(T^6 - 6T^5 + 15T^4 - 20T^3 + 15T^2 - 6T + 1)/(-T + 1)^8$	455
2	1	$(T^5 - 4T^4 + 5T^3 - T^2 - 2T + 1)/(-T + 1)^5$	2
2	1	$(T^2 - 2T + 1)/(-T + 1)^4$	63
2	1	$(T^4 - 4T^3 + 6T^2 - 4T + 1)/(-T + 1)^6$	727
2	1	$(-T^8 + 7T^7 - 20T^6 + 29T^5 - 20T^4 + T^3 + 8T^2 - 5T + 1)/(-T + 1)^8$	31
2	2	$(-T^4 + 2T^3 - 2T + 1)/(-T + 1)^5$	14
2	2	$(T^5 - 3T^4 + 2T^3 + 2T^2 - 3T + 1)/(-T + 1)^6$	170
2	2	$(T^7 - 5T^6 + 9T^5 - 5T^4 - 5T^3 + 9T^2 - 5T + 1)/(-T + 1)^8$	627
2	3	$(-2T^4 + 5T^3 - 3T^2 - T + 1)/(-T + 1)^5$	2
2	3	$(2T^7 - 11T^6 + 24T^5 - 25T^4 + 10T^3 + 3T^2 - 4T + 1)/(-T + 1)^8$	145
3	1	$(-T^4 + 3T^3 - 2T^2 - T + 1)/(-T + 1)^5$	7
3	1	$(-T + 1)(-3)$	4
		Continued on next page $\rightarrow$	

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Dimension	Degree	Hilbert Series	Count
3	1	$(T^2 - 2T + 1)/(-T + 1)^5$	106
3	1	$(T^5 - 4T^4 + 5T^3 - T^2 - 2T + 1)/(-T + 1)^6$	24
3	1	$(-T^3 + 3T^2 - 3T + 1)/(-T + 1)^6$	53
3	2	$(T^3 - T^2 - T + 1)/(-T + 1)^5$	13
3	2	$(-T^6 + 4T^5 - 5T^4 + 5T^2 - 4T + 1)/(-T + 1)^8$	192
3	2	$(T^7 - 7T^6 + 19T^5 - 25T^4 + 15T^3 - T^2 - 3T + 1)/(-T + 1)^8$	75
3	2	$(-T^4 + 2T^3 - 2T + 1)/(-T + 1)^6$	36
3	3	$(-2T^4 + 5T^3 - 3T^2 - T + 1)/(-T + 1)^6$	1
3	4	$(-3T^6 + 14T^5 - 25T^4 + 20T^3 - 5T^2 - 2T + 1)/(-T + 1)^8$	13

4.5   E=9

Table 19: Quivers with 5 Vertices and 9 Edges

Dimension	Degree	Hilbert Series	Count
0	1	$(T^{16} - 16T^{15} + 120T^{14} - 560T^{13} + 1820T^{12} - 4368T^{11} + 8008T^{10} - 11440T^9 + 12870T^8 - 11440T^7 + 8008T^6 - 4368T^5 + 1820T^4 - 560T^3 + 120T^2 - 16T + 1)/(-T + 1)^{16}$	10856
0	1	$(T^{12} - 12T^{11} + 66T^{10} - 220T^9 + 495T^8 - 792T^7 + 924T^6 - 792T^5 + 495T^4 - 220T^3 + 66T^2 - 12T + 1)/(-T + 1)^{12}$	6058
0	1	$(T^{10} - 10T^9 + 45T^8 - 120T^7 + 210T^6 - 252T^5 + 210T^4 - 120T^3 + 45T^2 - 10T + 1)/(-T + 1)^{10}$	4682
0	1	$(T^8 - 8T^7 + 28T^6 - 56T^5 + 70T^4 - 56T^3 + 28T^2 - 8T + 1)/(-T + 1)^8$	2829
0	1	$(T^6 - 6T^5 + 15T^4 - 20T^3 + 15T^2 - 6T + 1)/(-T + 1)^6$	2232
0	1	$(-T^9 + 9T^8 - 36T^7 + 84T^6 - 126T^5 + 126T^4 - 84T^3 + 36T^2 - 9T + 1)/(-T + 1)^9$	2872
0	1	$(-T^5 + 5T^4 - 10T^3 + 10T^2 - 5T + 1)/(-T + 1)^5$	8
		Continued on next page →	

Dimension	Degree	Hilbert Series	Count
0	1	$(-T^7+7T^6-21T^5+35T^4-35T^3+21T^2-7T+1)/(-T+1)^7$	28
0	2	$(-T^{10}+8T^9-27T^8+48T^7-42T^6+42T^4-48T^3+27T^2-8T+1)/(-T+1)^9$	154
0	3	$(-2T^{10}+17T^9-63T^8+132T^7-168T^6+126T^5-42T^4-12T^3+18T^2-7T+1)/(-T+1)^9$	70
1	1	$(T^6-6T^5+15T^4-20T^3+15T^2-6T+1)/(-T+1)^7$	1670
1	1	$(-T^5+5T^4-10T^3+10T^2-5T+1)/(-T+1)^6$	840
1	1	$(-T^9+9T^8-36T^7+84T^6-126T^5+126T^4-84T^3+36T^2-9T+1)/(-T+1)^{10}$	3149
1	1	$(-T^{15}+15T^{14}-105T^{13}+455T^{12}-1365T^{11}+3003T^{10}-5005T^9+6435T^8-6435T^7+5005T^6-3003T^5+1365T^4-455T^3+105T^2-15T+1)/(-T+1)^{16}$	2748
1	1	$(-T^{11}+11T^{10}-55T^9+165T^8-330T^7+462T^6-462T^5+330T^4-165T^3+55T^2-11T+1)/(-T+1)^{12}$	5498
1	1	$(T^4-4T^3+6T^2-4T+1)/(-T+1)^5$	52
1	1	$(-T^7+7T^6-21T^5+35T^4-35T^3+21T^2-7T+1)/(-T+1)^8$	2789
1	1	$(T^8-8T^7+28T^6-56T^5+70T^4-56T^3+28T^2-8T+1)/(-T+1)^9$	11708
1	1	$(-T^{10}+9T^9-35T^8+76T^7-98T^6+70T^5-14T^4-20T^3+19T^2-7T+1)/(-T+1)^9$	34
1	2	$(-T^{16}+14T^{15}-90T^{14}+350T^{13}-910T^{12}+1638T^{11}-2002T^{10}+1430T^9-1430T^7+2002T^6-1638T^5+910T^4-350T^3+90T^2-14T+1)/(-T+1)^{16}$	2221
1	2	$(-T^8+6T^7-14T^6+14T^5-14T^3+14T^2-6T+1)/(-T+1)^8$	369
1	2	$(-T^{10}+10T^9-43T^8+104T^7-154T^6+140T^5-70T^4+8T^3+11T^2-6T+1)/(-T+1)^9$	54
1	2	$(T^7-5T^6+9T^5-5T^4-5T^3+9T^2-5T+1)/(-T+1)^7$	396
1	2	$(-T^{12}+10T^{11}-44T^{10}+110T^9-165T^8+132T^7-132T^5+165T^4-110T^3+44T^2-10T+1)/(-T+1)^{12}$	1709

Dimension	Degree	Hilbert Series	Count
1	2	$(-T^{10} + 8T^9 - 27T^8 + 48T^7 - 42T^6 + 42T^4 - 48T^3 + 27T^2 - 8T + 1)/(-T + 1)^{10}$	149
1	2	$(T^9 - 7T^8 + 20T^7 - 28T^6 + 14T^5 + 14T^4 - 28T^3 + 20T^2 - 7T + 1)/(-T + 1)^9$	983
1	3	$(2T^7 - 11T^6 + 24T^5 - 25T^4 + 10T^3 + 3T^2 - 4T + 1)/(-T + 1)^7$	48
1	3	$(-2T^{12} + 21T^{11} - 99T^{10} + 275T^9 - 495T^8 + 594T^7 - 462T^6 + 198T^5 - 55T^3 + 33T^2 - 9T + 1)/(-T + 1)^{12}$	232
1	3	$(2T^9 - 15T^8 + 48T^7 - 84T^6 + 84T^5 - 42T^4 + 12T^2 - 6T + 1)/(-T + 1)^9$	238
1	3	$(-2T^6 + 9T^5 - 15T^4 + 10T^3 - 3T + 1)/(-T + 1)^6$	4
1	3	$(-2T^{16} + 29T^{15} - 195T^{14} + 805T^{13} - 2275T^{12} + 4641T^{11} - 7007T^{10} + 7865T^9 - 6435T^8 + 3575T^7 - 1001T^6 - 273T^5 + 455T^4 - 245T^3 + 75T^2 - 13T + 1)/(-T + 1)^{16}$	598
1	4	$(-3T^{16} + 44T^{15} - 300T^{14} + 1260T^{13} - 3640T^{12} + 7644T^{11} - 12012T^{10} + 14300T^9 - 12870T^8 + 8580T^7 - 4004T^6 + 1092T^5 - 140T^3 + 60T^2 - 12T + 1)/(-T + 1)^{16}$	176
1	5	$(-4T^{16} + 59T^{15} - 405T^{14} + 1715T^{13} - 5005T^{12} + 10647T^{11} - 17017T^{10} + 20735T^9 - 19305T^8 + 13585T^7 - 7007T^6 + 2457T^5 - 455T^4 - 35T^3 + 45T^2 - 11T + 1)/(-T + 1)^{16}$	26
1	6	$(-5T^{16} + 74T^{15} - 510T^{14} + 2170T^{13} - 6370T^{12} + 13650T^{11} - 22022T^{10} + 27170T^9 - 25740T^8 + 18590T^7 - 10010T^6 + 3822T^5 - 910T^4 + 70T^3 + 30T^2 - 10T + 1)/(-T + 1)^{16}$	1
2	1	$(-T^5 + 5T^4 - 10T^3 + 10T^2 - 5T + 1)/(-T + 1)^7$	1115
2	1	$(-T^{10} + 10T^9 - 44T^8 + 111T^7 - 175T^6 + 175T^5 - 105T^4 + 29T^3 + 4T^2 - 5T + 1)/(-T + 1)^9$	23
2	1	$(-T^3 + 3T^2 - 3T + 1)/(-T + 1)^5$	8
2	1	$(-T^{12} + 11T^{11} - 54T^{10} + 155T^9 - 285T^8 + 342T^7 - 252T^6 + 78T^5 + 45T^4 - 65T^3 + 34T^2 - 9T + 1)/(-T + 1)^{12}$	302

Dimension	Degree	Hilbert Series	Count
2	1	$(T^8 - 8T^7 + 28T^6 - 56T^5 + 70T^4 - 56T^3 + 28T^2 - 8T + 1)/(-T + 1)^{10}$	5758
2	1	$(T^{10} - 10T^9 + 45T^8 - 120T^7 + 210T^6 - 252T^5 + 210T^4 - 120T^3 + 45T^2 - 10T + 1)/(-T + 1)^{12}$	1289
2	1	$(2T^9 - 16T^8 + 55T^7 - 105T^6 + 119T^5 - 77T^4 + 21T^3 + 5T^2 - 5T + 1)/(-T + 1)^9$	101
2	1	$(T^7 - 6T^6 + 14T^5 - 15T^4 + 5T^3 + 4T^2 - 4T + 1)/(-T + 1)^7$	76
2	1	$(2T^7 - 12T^6 + 29T^5 - 35T^4 + 20T^3 - 2T^2 - 3T + 1)/(-T + 1)^7$	36
2	1	$(-T^{16} + 15T^{15} - 104T^{14} + 441T^{13} - 1274T^{12} + 2639T^{11} - 4004T^{10} + 4433T^9 - 3432T^8 + 1573T^7 - 637T^5 + 546T^4 - 259T^3 + 76T^2 - 13T + 1)/(-T + 1)^{16}$	42
2	1	$(-2T^{12} + 22T^{11} - 109T^{10} + 320T^9 - 615T^8 + 804T^7 - 714T^6 + 408T^5 - 120T^4 - 10T^3 + 23T^2 - 8T + 1)/(-T + 1)^{12}$	16
2	1	$(T^{14} - 14T^{13} + 91T^{12} - 364T^{11} + 1001T^{10} - 2002T^9 + 3003T^8 - 3432T^7 + 3003T^6 - 2002T^5 + 1001T^4 - 364T^3 + 91T^2 - 14T + 1)/(-T + 1)^{16}$	135
2	1	$(-T^7 + 7T^6 - 21T^5 + 35T^4 - 35T^3 + 21T^2 - 7T + 1)/(-T + 1)^9$	7060
2	1	$(-T^{10} + 9T^9 - 35T^8 + 76T^7 - 98T^6 + 70T^5 - 14T^4 - 20T^3 + 19T^2 - 7T + 1)/(-T + 1)^{10}$	17
2	1	$(-2T^{16} + 30T^{15} - 209T^{14} + 896T^{13} - 2639T^{12} + 5642T^{11} - 9009T^{10} + 10868T^9 - 9867T^8 + 6578T^7 - 3003T^6 + 728T^5 + 91T^4 - 154T^3 + 61T^2 - 12T + 1)/(-T + 1)^{16}$	2
2	1	$(T^4 - 4T^3 + 6T^2 - 4T + 1)/(-T + 1)^6$	1133
2	1	$(T^9 - 8T^8 + 27T^7 - 49T^6 + 49T^5 - 21T^4 - 7T^3 + 13T^2 - 6T + 1)/(-T + 1)^9$	673
2	1	$(T^6 - 6T^5 + 15T^4 - 20T^3 + 15T^2 - 6T + 1)/(-T + 1)^8$	3236
2	1	$(-T^8 + 7T^7 - 20T^6 + 29T^5 - 20T^4 + T^3 + 8T^2 - 5T + 1)/(-T + 1)^8$	23
2	2	$(T^7 - 5T^6 + 9T^5 - 5T^4 - 5T^3 + 9T^2 - 5T + 1)/(-T + 1)^8$	1741
			Continued on next page →

Dimension	Degree	Hilbert Series	Count
2	2	$(-T^{16} + 16T^{15} - 118T^{14} + 532T^{13} - 1638T^{12} + 3640T^{11} - 6006T^{10} + 7436T^9 - 6864T^8 + 4576T^7 - 2002T^6 + 364T^5 + 182T^4 - 168T^3 + 62T^2 - 12T + 1)/(-T + 1)^{16}$	370
2	2	$(T^9 - 9T^8 + 34T^7 - 70T^6 + 84T^5 - 56T^4 + 14T^3 + 6T^2 - 5T + 1)/(-T + 1)^9$	261
2	2	$(-T^8 + 6T^7 - 14T^6 + 14T^5 - 14T^3 + 14T^2 - 6T + 1)/(-T + 1)^9$	1571
2	2	$(2T^9 - 17T^8 + 62T^7 - 126T^6 + 154T^5 - 112T^4 + 42T^3 - 2T^2 - 4T + 1)/(-T + 1)^9$	18
2	2	$(T^5 - 3T^4 + 2T^3 + 2T^2 - 3T + 1)/(-T + 1)^6$	20
2	2	$(-T^6 + 4T^5 - 5T^4 + 5T^2 - 4T + 1)/(-T + 1)^7$	225
2	2	$(-T^{12} + 12T^{11} - 64T^{10} + 200T^9 - 405T^8 + 552T^7 - 504T^6 + 288T^5 - 75T^4 - 20T^3 + 24T^2 - 8T + 1)/(-T + 1)^{12}$	190
2	2	$(T^{15} - 13T^{14} + 77T^{13} - 273T^{12} + 637T^{11} - 1001T^{10} + 1001T^9 - 429T^8 - 429T^7 + 1001T^6 - 1001T^5 + 637T^4 - 273T^3 + 77T^2 - 13T + 1)/(-T + 1)^{16}$	1144
2	2	$(-T^{10} + 10T^9 - 43T^8 + 104T^7 - 154T^6 + 140T^5 - 70T^4 + 8T^3 + 11T^2 - 6T + 1)/(-T + 1)^{10}$	4
2	2	$(T^9 - 7T^8 + 20T^7 - 28T^6 + 14T^5 + 14T^4 - 28T^3 + 20T^2 - 7T + 1)/(-T + 1)^{10}$	1591
2	2	$(-2T^{16} + 31T^{15} - 223T^{14} + 987T^{13} - 3003T^{12} + 6643T^{11} - 11011T^{10} + 13871T^9 - 13299T^8 + 9581T^7 - 5005T^6 + 1729T^5 - 273T^4 - 63T^3 + 47T^2 - 11T + 1)/(-T + 1)^{16}$	125
2	2	$(T^{11} - 9T^{10} + 35T^9 - 75T^8 + 90T^7 - 42T^6 - 42T^5 + 90T^4 - 75T^3 + 35T^2 - 9T + 1)/(-T + 1)^{12}$	682
2	2	$(-T^{11} + 9T^{10} - 35T^9 + 75T^8 - 92T^7 + 56T^6 - 20T^4 + 5T^3 + 7T^2 - 5T + 1)/(-T + 1)^9$	7
2	2	$(-3T^{16} + 46T^{15} - 328T^{14} + 1442T^{13} - 4368T^{12} + 9646T^{11} - 16016T^{10} + 20306T^9 - 19734T^8 + 14586T^7 - 8008T^6 + 3094T^5 - 728T^4 + 42T^3 + 32T^2 - 10T + 1)/(-T + 1)^{16}$	10
			Continued on next page →

Dimension	Degree	Hilbert Series	Count
2	2	$(T^7 - 7T^6 + 19T^5 - 25T^4 + 15T^3 - T^2 - 3T + 1)/(-T+1)^7$	20
2	3	$(2T^{15} - 27T^{14} + 168T^{13} - 637T^{12} + 1638T^{11} - 3003T^{10} + 4004T^9 - 3861T^8 + 2574T^7 - 1001T^6 + 273T^4 - 182T^3 + 63T^2 - 12T + 1)/(-T+1)^{16}$	208
2	3	$(-2T^{16} + 32T^{15} - 237T^{14} + 1078T^{13} - 3367T^{12} + 7644T^{11} - 13013T^{10} + 16874T^9 - 16731T^8 + 12584T^7 - 7007T^6 + 2730T^5 - 637T^4 + 28T^3 + 33T^2 - 10T + 1)/(-T+1)^{16}$	14
2	3	$(-3T^{16} + 47T^{15} - 342T^{14} + 1533T^{13} - 4732T^{12} + 10647T^{11} - 18018T^{10} + 23309T^9 - 23166T^8 + 17589T^7 - 10010T^6 + 4095T^5 - 1092T^4 + 133T^3 + 18T^2 - 9T + 1)/(-T+1)^{16}$	3
2	3	$(-2T^6 + 9T^5 - 15T^4 + 10T^3 - 3T + 1)/(-T+1)^7$	30
2	3	$(T^9 - 10T^8 + 41T^7 - 91T^6 + 119T^5 - 91T^4 + 35T^3 - T^2 - 4T + 1)/(-T+1)^9$	54
2	3	$(2T^7 - 11T^6 + 24T^5 - 25T^4 + 10T^3 + 3T^2 - 4T + 1)/(-T+1)^8$	48
2	3	$(2T^9 - 15T^8 + 48T^7 - 84T^6 + 84T^5 - 42T^4 + 12T^2 - 6T + 1)/(-T+1)^{10}$	302
2	3	$(2T^5 - 7T^4 + 8T^3 - 2T^2 - 2T + 1)/(-T+1)^6$	14
2	3	$(2T^{11} - 19T^{10} + 80T^9 - 195T^8 + 300T^7 - 294T^6 + 168T^5 - 30T^4 - 30T^3 + 25T^2 - 8T + 1)/(-T+1)^{12}$	96
2	3	$(-T^{16} + 17T^{15} - 132T^{14} + 623T^{13} - 2002T^{12} + 4641T^{11} - 8008T^{10} + 10439T^9 - 10296T^8 + 7579T^7 - 4004T^6 + 1365T^5 - 182T^4 - 77T^3 + 48T^2 - 11T + 1)/(-T+1)^{16}$	54
2	3	$(-2T^8 + 13T^7 - 35T^6 + 49T^5 - 35T^4 + 7T^3 + 7T^2 - 5T + 1)/(-T+1)^9$	235
2	3	$(T^6 - 3T^5 + 3T^4 - 2T^3 + 3T^2 - 3T + 1)/(-T+1)^6$	4
2	3	$(-T^{12} + 13T^{11} - 74T^{10} + 245T^9 - 525T^8 + 762T^7 - 756T^6 + 498T^5 - 195T^4 + 25T^3 + 14T^2 - 7T + 1)/(-T+1)^{12}$	13

Dimension	Degree	Hilbert Series	Count
2	4	$(3T^{15} - 41T^{14} + 259T^{13} - 1001T^{12} + 2639T^{11} - 5005T^{10} + 7007T^9 - 7293T^8 + 5577T^7 - 3003T^6 + 1001T^5 - 91T^4 - 91T^3 + 49T^2 - 11T + 1)/(-T + 1)^{16}$	54
2	4	$(3T^{11} - 29T^{10} + 125T^9 - 315T^8 + 510T^7 - 546T^6 + 378T^5 - 150T^4 + 15T^3 + 15T^2 - 7T + 1)/(-T + 1)^{12}$	11
2	4	$(-3T^8 + 20T^7 - 56T^6 + 84T^5 - 70T^4 + 28T^3 - 4T + 1)/(-T + 1)^9$	25
2	4	$(-T^{16} + 18T^{15} - 146T^{14} + 714T^{13} - 2366T^{12} + 5642T^{11} - 10010T^{10} + 13442T^9 - 13728T^8 + 10582T^7 - 6006T^6 + 2366T^5 - 546T^4 + 14T^3 + 34T^2 - 10T + 1)/(-T + 1)^{16}$	27
2	4	$(-2T^{16} + 33T^{15} - 251T^{14} + 1169T^{13} - 3731T^{12} + 8645T^{11} - 15015T^{10} + 19877T^9 - 20163T^8 + 15587T^7 - 9009T^6 + 3731T^5 - 1001T^4 + 119T^3 + 19T^2 - 9T + 1)/(-T + 1)^{16}$	1
2	5	$(-T^{16} + 19T^{15} - 160T^{14} + 805T^{13} - 2730T^{12} + 6643T^{11} - 12012T^{10} + 16445T^9 - 17160T^8 + 13585T^7 - 8008T^6 + 3367T^5 - 910T^4 + 105T^3 + 20T^2 - 9T + 1)/(-T + 1)^{16}$	7
2	5	$(4T^{15} - 55T^{14} + 350T^{13} - 1365T^{12} + 3640T^{11} - 7007T^{10} + 10010T^9 - 10725T^8 + 8580T^7 - 5005T^6 + 2002T^5 - 455T^4 + 35T^2 - 10T + 1)/(-T + 1)^{16}$	13
2	5	$(-4T^8 + 27T^7 - 77T^6 + 119T^5 - 105T^4 + 49T^3 - 7T^2 - 3T + 1)/(-T + 1)^9$	1
2	6	$(-T^{16} + 20T^{15} - 174T^{14} + 896T^{13} - 3094T^{12} + 7644T^{11} - 14014T^{10} + 19448T^9 - 20592T^8 + 16588T^7 - 10010T^6 + 4368T^5 - 1274T^4 + 196T^3 + 6T^2 - 8T + 1)/(-T + 1)^{16}$	2
2	6	$(5T^{15} - 69T^{14} + 441T^{13} - 1729T^{12} + 4641T^{11} - 9009T^{10} + 13013T^9 - 14157T^8 + 11583T^7 - 7007T^6 + 3003T^5 - 819T^4 + 91T^3 + 21T^2 - 9T + 1)/(-T + 1)^{16}$	8
2	6	$(3T^6 - 10T^5 + 11T^4 - 4T^3 + T^2 - 2T + 1)/(-T + 1)^6$	2
3	1	$(-T^5 + 5T^4 - 10T^3 + 10T^2 - 5T + 1)/(-T + 1)^8$	636
3	1	$(T^2 - 2T + 1)/(-T + 1)^5$	38

Dimension	Degree	Hilbert Series	Count
3	1	$(T^7 - 6T^6 + 14T^5 - 15T^4 + 5T^3 + 4T^2 - 4T + 1)/(-T + 1)^8$	130
3	1	$(T^9 - 8T^8 + 28T^7 - 55T^6 + 64T^5 - 41T^4 + 8T^3 + 7T^2 - 5T + 1)/(-T + 1)^9$	38
3	1	$(T^9 - 9T^8 + 35T^7 - 76T^6 + 99T^5 - 76T^4 + 29T^3 - 4T + 1)/(-T + 1)^9$	5
3	1	$(-T^8 + 7T^7 - 20T^6 + 29T^5 - 20T^4 + T^3 + 8T^2 - 5T + 1)/(-T + 1)^9$	34
3	1	$(T^6 - 6T^5 + 15T^4 - 20T^3 + 15T^2 - 6T + 1)/(-T + 1)^9$	1249
3	1	$(-T^3 + 3T^2 - 3T + 1)/(-T + 1)^6$	258
3	1	$(T^4 - 4T^3 + 6T^2 - 4T + 1)/(-T + 1)^7$	888
3	1	$(T^9 - 8T^8 + 27T^7 - 49T^6 + 49T^5 - 21T^4 - 7T^3 + 13T^2 - 6T + 1)/(-T + 1)^{10}$	34
3	2	$(T^7 - 5T^6 + 9T^5 - 5T^4 - 5T^3 + 9T^2 - 5T + 1)/(-T + 1)^9$	1676
3	2	$(T^{15} - 15T^{14} + 103T^{13} - 429T^{12} + 1209T^{11} - 2431T^{10} + 3575T^9 - 3861T^8 + 3003T^7 - 1573T^6 + 429T^5 + 65T^4 - 117T^3 + 51T^2 - 11T + 1)/(-T + 1)^{16}$	28
3	2	$(-T^{16} + 17T^{15} - 134T^{14} + 649T^{13} - 2158T^{12} + 5213T^{11} - 9438T^{10} + 13013T^9 - 13728T^8 + 11011T^7 - 6578T^6 + 2795T^5 - 754T^4 + 79T^3 + 22T^2 - 9T + 1)/(-T + 1)^{16}$	2
3	2	$(-T^4 + 2T^3 - 2T + 1)/(-T + 1)^6$	107
3	2	$(-T^{10} + 8T^9 - 27T^8 + 48T^7 - 42T^6 + 42T^4 - 48T^3 + 27T^2 - 8T + 1)/(-T + 1)^{12}$	525
3	2	$(-T^8 + 6T^7 - 14T^6 + 14T^5 - 14T^3 + 14T^2 - 6T + 1)/(-T + 1)^{10}$	370
3	2	$(4T^{15} - 57T^{14} + 376T^{13} - 1521T^{12} + 4212T^{11} - 8437T^{10} + 12584T^9 - 14157T^8 + 12012T^7 - 7579T^6 + 3432T^5 - 1027T^4 + 156T^3 + 9T^2 - 8T + 1)/(-T + 1)^{16}$	2
3	2	$(-T^{16} + 18T^{15} - 148T^{14} + 740T^{13} - 2522T^{12} + 6214T^{11} - 11440T^{10} + 16016T^9 - 17160T^8 + 14014T^7 - 8580T^6 + 3796T^5 - 1118T^4 + 170T^3 + 8T^2 - 8T + 1)/(-T + 1)^{16}$	1
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Dimension	Degree	Hilbert Series	Count
3	2	$(3T^{15} - 43T^{14} + 285T^{13} - 1157T^{12} + 3211T^{11} - 6435T^{10} + 9581T^9 - 10725T^8 + 9009T^7 - 5577T^6 + 2431T^5 - 663T^4 + 65T^3 + 23T^2 - 9T + 1)/(-T+1)^{16}$	1
3	2	$(-T^{16} + 15T^{15} - 106T^{14} + 467T^{13} - 1430T^{12} + 3211T^{11} - 5434T^{10} + 7007T^9 - 6864T^8 + 5005T^7 - 2574T^6 + 793T^5 - 26T^4 - 103T^3 + 50T^2 - 11T + 1)/(-T+1)^{16}$	9
3	2	$(-T^6 + 6T^5 - 13T^4 + 12T^3 - 3T^2 - 2T + 1)/(-T+1)^7$	5
3	2	$(-T^6 + 4T^5 - 5T^4 + 5T^2 - 4T + 1)/(-T+1)^8$	860
3	2	$(T^9 - 8T^8 + 29T^7 - 61T^6 + 79T^5 - 61T^4 + 23T^3 + T^2 - 4T + 1)/(-T+1)^9$	11
3	2	$(T^5 - 3T^4 + 2T^3 + 2T^2 - 3T + 1)/(-T+1)^7$	348
3	2	$(T^{11} - 11T^{10} + 53T^9 - 147T^8 + 258T^7 - 294T^6 + 210T^5 - 78T^4 - 3T^3 + 17T^2 - 7T + 1)/(-T+1)^{12}$	90
3	2	$(2T^{11} - 21T^{10} + 98T^9 - 267T^8 + 468T^7 - 546T^6 + 420T^5 - 198T^4 + 42T^3 + 7T^2 - 6T + 1)/(-T+1)^{12}$	2
3	2	$(T^9 - 9T^8 + 34T^7 - 70T^6 + 84T^5 - 56T^4 + 14T^3 + 6T^2 - 5T + 1)/(-T+1)^{10}$	341
3	2	$(-T^8 + 8T^7 - 26T^6 + 44T^5 - 40T^4 + 16T^3 + 2T^2 - 4T + 1)/(-T+1)^9$	66
3	2	$(-T^{14} + 12T^{13} - 65T^{12} + 208T^{11} - 429T^{10} + 572T^9 - 429T^8 + 429T^6 - 572T^5 + 429T^4 - 208T^3 + 65T^2 - 12T + 1)/(-T+1)^{16}$	59
3	2	$(-2T^{16} + 30T^{15} - 211T^{14} + 922T^{13} - 2795T^{12} + 6214T^{11} - 10439T^{10} + 13442T^9 - 13299T^8 + 10010T^7 - 5577T^6 + 2158T^5 - 481T^4 + 2T^3 + 35T^2 - 10T + 1)/(-T+1)^{16}$	1
3	2	$(-T^{16} + 16T^{15} - 120T^{14} + 558T^{13} - 1794T^{12} + 4212T^{11} - 7436T^{10} + 10010T^9 - 10296T^8 + 8008T^7 - 4576T^6 + 1794T^5 - 390T^4 - 12T^3 + 36T^2 - 10T + 1)/(-T+1)^{16}$	11
3	2	$(-T^{12} + 11T^{11} - 56T^{10} + 173T^9 - 357T^8 + 510T^7 - 504T^6 + 330T^5 - 123T^4 + 7T^3 + 16T^2 - 7T + 1)/(-T+1)^{12}$	4

Dimension	Degree	Hilbert Series	Count
3	2	$(2T^{15} - 29T^{14} + 194T^{13} - 793T^{12} + 2210T^{11} - 4433T^{10} + 6578T^9 - 7293T^8 + 6006T^7 - 3575T^6 + 1430T^5 - 299T^4 - 26T^3 + 37T^2 - 10T + 1)/(-T+1)^{16}$	8
3	2	$(-T^{12} + 12T^{11} - 66T^{10} + 218T^9 - 477T^8 + 720T^7 - 756T^6 + 540T^5 - 243T^4 + 52T^3 + 6T^2 - 6T + 1)/(-T+1)^{12}$	1
3	3	$(-2T^{10} + 17T^9 - 63T^8 + 132T^7 - 168T^6 + 126T^5 - 42T^4 - 12T^3 + 18T^2 - 7T + 1)/(-T+1)^{12}$	149
3	3	$(T^{11} - 12T^{10} + 62T^9 - 183T^8 + 342T^7 - 420T^6 + 336T^5 - 162T^4 + 33T^3 + 8T^2 - 6T + 1)/(-T+1)^{12}$	33
3	3	$(2T^5 - 7T^4 + 8T^3 - 2T^2 - 2T + 1)/(-T+1)^7$	21
3	3	$(-T^5 + 2T^4 - T^3 + T^2 - 2T + 1)/(-T+1)^6$	2
3	3	$(T^8 - 5T^7 + 10T^6 - 11T^5 + 10T^4 - 11T^3 + 10T^2 - 5T + 1)/(-T+1)^9$	108
3	3	$(2T^7 - 11T^6 + 24T^5 - 25T^4 + 10T^3 + 3T^2 - 4T + 1)/(-T+1)^9$	402
3	3	$(-T^8 + 9T^7 - 32T^6 + 59T^5 - 60T^4 + 31T^3 - 4T^2 - 3T + 1)/(-T+1)^9$	26
3	3	$(T^6 - 3T^5 + 3T^4 - 2T^3 + 3T^2 - 3T + 1)/(-T+1)^7$	42
3	3	$(-2T^4 + 5T^3 - 3T^2 - T + 1)/(-T+1)^6$	6
3	3	$(-2T^8 + 13T^7 - 35T^6 + 49T^5 - 35T^4 + 7T^3 + 7T^2 - 5T + 1)/(-T+1)^{10}$	265
3	3	$(-2T^6 + 9T^5 - 15T^4 + 10T^3 - 3T + 1)/(-T+1)^8$	206
3	4	$(-3T^{14} + 38T^{13} - 221T^{12} + 780T^{11} - 1859T^{10} + 3146T^9 - 3861T^8 + 3432T^7 - 2145T^6 + 858T^5 - 143T^4 - 52T^3 + 39T^2 - 10T + 1)/(-T+1)^{16}$	1
3	4	$(T^8 - 4T^7 + 4T^6 + 4T^5 - 10T^4 + 4T^3 + 4T^2 - 4T + 1)/(-T+1)^9$	148
3	4	$(-3T^8 + 20T^7 - 56T^6 + 84T^5 - 70T^4 + 28T^3 - 4T + 1)/(-T+1)^{10}$	101
3	4	$(-3T^{10} + 26T^9 - 99T^8 + 216T^7 - 294T^6 + 252T^5 - 126T^4 + 24T^3 + 9T^2 - 6T + 1)/(-T+1)^{12}$	13

Dimension	Degree	Hilbert Series	Count
3	4	$(T^6 - 2T^5 - T^4 + 4T^3 - T^2 - 2T + 1)/(-T + 1)^7$	15
3	4	$(3T^7 - 17T^6 + 39T^5 - 45T^4 + 25T^3 - 3T^2 - 3T + 1)/(-T+1)^9$	10
3	4	$(3T^5 - 11T^4 + 14T^3 - 6T^2 - T + 1)/(-T + 1)^7$	5
3	5	$(4T^7 - 23T^6 + 54T^5 - 65T^4 + 40T^3 - 9T^2 - 2T + 1)/(-T+1)^9$	4
3	5	$(-4T^{10} + 35T^9 - 135T^8 + 300T^7 - 420T^6 + 378T^5 - 210T^4 + 60T^3 - 5T + 1)/(-T + 1)^{12}$	41
3	5	$(T^8 - 3T^7 - 2T^6 + 19T^5 - 30T^4 + 19T^3 - 2T^2 - 3T + 1)/(-T+1)^9$	9
3	6	$(-5T^{14} + 64T^{13} - 377T^{12} + 1352T^{11} - 3289T^{10} + 5720T^9 - 7293T^8 + 6864T^7 - 4719T^6 + 2288T^5 - 715T^4 + 104T^3 + 13T^2 - 8T + 1)/(-T + 1)^{16}$	7
3	6	$(-T^9 + 3T^8 + 6T^7 - 42T^6 + 84T^5 - 84T^4 + 42T^3 - 6T^2 - 3T + 1)/(-T + 1)^{10}$	1
3	6	$(-3T^5 + 7T^4 - 4T^3 - T + 1)/(-T + 1)^6$	1
3	6	$(2T^8 - 9T^7 + 13T^6 - T^5 - 15T^4 + 13T^3 - T^2 - 3T + 1)/(-T+1)^9$	39
3	6	$(-T^{11} + 5T^{10} - T^9 - 51T^8 + 174T^7 - 294T^6 + 294T^5 - 174T^4 + 51T^3 + T^2 - 5T + 1)/(-T + 1)^{12}$	13
3	6	$(-T^{15} + 9T^{14} - 27T^{13} - 13T^{12} + 351T^{11} - 1287T^{10} + 2717T^9 - 3861T^8 + 3861T^7 - 2717T^6 + 1287T^5 - 351T^4 + 13T^3 + 27T^2 - 9T + 1)/(-T + 1)^{16}$	17
3	7	$(-T^{11} + 4T^{10} + 8T^9 - 87T^8 + 258T^7 - 420T^6 + 420T^5 - 258T^4 + 87T^3 - 8T^2 - 4T + 1)/(-T + 1)^{12}$	9
3	8	$(3T^8 - 14T^7 + 22T^6 - 6T^5 - 20T^4 + 22T^3 - 6T^2 - 2T + 1)/(-T + 1)^9$	9
3	8	$(-T^{15} + 7T^{14} - T^{13} - 169T^{12} + 923T^{11} - 2717T^{10} + 5291T^9 - 7293T^8 + 7293T^7 - 5291T^6 + 2717T^5 - 923T^4 + 169T^3 + T^2 - 7T + 1)/(-T + 1)^{16}$	2
3	10	$(-2T^{15} + 19T^{14} - 66T^{13} + 39T^{12} + 494T^{11} - 2145T^{10} + 4862T^9 - 7293T^8 + 7722T^7 - 5863T^6 + 3146T^5 - 1131T^4 + 234T^3 - 11T^2 - 6T + 1)/(-T + 1)^{16}$	3
		Continued on next page →	

Dimension	Degree	Hilbert Series	Count
4	1	$(-T+1)(-4)$	2
4	1	$(-2T^5 + 5T^4 - 3T^3 - T + 1)/(-T+1)^6$	1
4	1	$(T^6 - 3T^5 + 2T^4 + T^3 - 2T + 1)/(-T+1)^7$	6
4	1	$(-T^4 + 3T^3 - 2T^2 - T + 1)/(-T+1)^6$	4
4	1	$(T^4 - 4T^3 + 6T^2 - 4T + 1)/(-T+1)^8$	357
4	1	$(-T^6 + 5T^5 - 9T^4 + 6T^3 + T^2 - 3T + 1)/(-T+1)^8$	179
4	1	$(-T^3 + 3T^2 - 3T + 1)/(-T+1)^7$	59
4	1	$(-2T^6 + 10T^5 - 19T^4 + 16T^3 - 4T^2 - 2T + 1)/(-T+1)^8$	1
4	1	$(T^5 - 4T^4 + 5T^3 - T^2 - 2T + 1)/(-T+1)^7$	24
4	1	$(2T^5 - 8T^4 + 11T^3 - 5T^2 - T + 1)/(-T+1)^7$	2
4	1	$(T^2 - 2T + 1)/(-T+1)^6$	152
4	2	$(T^9 - 8T^8 + 29T^7 - 61T^6 + 79T^5 - 61T^4 + 23T^3 + T^2 - 4T + 1)/(-T+1)^{10}$	6
4	2	$(2T^7 - 13T^6 + 34T^5 - 45T^4 + 30T^3 - 7T^2 - 2T + 1)/(-T+1)^9$	3
4	2	$(-T^6 + 4T^5 - 5T^4 + 5T^2 - 4T + 1)/(-T+1)^9$	489
4	2	$(T^7 - 7T^6 + 19T^5 - 25T^4 + 15T^3 - T^2 - 3T + 1)/(-T+1)^9$	188
4	2	$(-2T^8 + 15T^7 - 47T^6 + 79T^5 - 75T^4 + 37T^3 - 5T^2 - 3T + 1)/(-T+1)^{10}$	2
4	2	$(-T^4 + 2T^3 - 2T + 1)/(-T+1)^7$	37
4	2	$(T^8 - 5T^7 + 8T^6 - T^5 - 10T^4 + 9T^3 - 3T + 1)/(-T+1)^9$	21
4	2	$(T^5 - 5T^4 + 8T^3 - 4T^2 - T + 1)/(-T+1)^7$	3
4	2	$(T^7 - 5T^6 + 9T^5 - 5T^4 - 5T^3 + 9T^2 - 5T + 1)/(-T+1)^{10}$	22
4	2	$(T^3 - T^2 - T + 1)/(-T+1)^6$	11
4	2	$(2T^8 - 10T^7 + 17T^6 - 6T^5 - 15T^4 + 18T^3 - 5T^2 - 2T + 1)/(-T+1)^9$	6
4	2	$(T^5 - 3T^4 + 2T^3 + 2T^2 - 3T + 1)/(-T+1)^8$	131
4	2	$(-T^6 + 6T^5 - 13T^4 + 12T^3 - 3T^2 - 2T + 1)/(-T+1)^8$	40
4	3	$(-2T^6 + 9T^5 - 15T^4 + 10T^3 - 3T + 1)/(-T+1)^9$	97
4	3	$(T^7 - 8T^6 + 24T^5 - 35T^4 + 25T^3 - 6T^2 - 2T + 1)/(-T+1)^9$	1

Dimension	Degree	Hilbert Series	Count
4	3	$(T^4 - T^3 - T + 1)/(-T + 1)^6$	1
4	3	$(-T^8 + 6T^7 - 17T^6 + 29T^5 - 30T^4 + 16T^3 - T^2 - 3T + 1)/(-T + 1)^9$	1
4	3	$(2T^8 - 11T^7 + 22T^6 - 16T^5 - 5T^4 + 13T^3 - 4T^2 - 2T + 1)/(-T + 1)^9$	5
4	3	$(-T^7 + 4T^6 - 6T^5 + 5T^4 - 5T^3 + 6T^2 - 4T + 1)/(-T + 1)^9$	1
4	3	$(2T^9 - 15T^8 + 48T^7 - 84T^6 + 84T^5 - 42T^4 + 12T^2 - 6T + 1)/(-T + 1)^{12}$	18
4	3	$(-2T^{10} + 20T^9 - 87T^8 + 216T^7 - 336T^6 + 336T^5 - 210T^4 + 72T^3 - 6T^2 - 4T + 1)/(-T + 1)^{12}$	3
4	3	$(2T^5 - 7T^4 + 8T^3 - 2T^2 - 2T + 1)/(-T + 1)^8$	77
4	3	$(-T^8 + 9T^7 - 32T^6 + 59T^5 - 60T^4 + 31T^3 - 4T^2 - 3T + 1)/(-T + 1)^{10}$	19
4	3	$(2T^7 - 11T^6 + 24T^5 - 25T^4 + 10T^3 + 3T^2 - 4T + 1)/(-T + 1)^{10}$	42
4	3	$(-2T^4 + 5T^3 - 3T^2 - T + 1)/(-T + 1)^7$	3
4	4	$(-3T^6 + 14T^5 - 25T^4 + 20T^3 - 5T^2 - 2T + 1)/(-T + 1)^9$	6
4	4	$(3T^5 - 11T^4 + 14T^3 - 6T^2 - T + 1)/(-T + 1)^8$	1
4	5	$(T^6 - T^5 - 5T^4 + 10T^3 - 5T^2 - T + 1)/(-T + 1)^8$	2
4	5	$(-T^7 + 2T^6 + 4T^5 - 15T^4 + 15T^3 - 4T^2 - 2T + 1)/(-T + 1)^9$	1
4	6	$(T^8 - 2T^7 - 8T^6 + 34T^5 - 50T^4 + 34T^3 - 8T^2 - 2T + 1)/(-T + 1)^{10}$	9
4	6	$(-T^7 + T^6 + 9T^5 - 25T^4 + 25T^3 - 9T^2 - T + 1)/(-T + 1)^9$	6
4	6	$(T^{14} - 8T^{13} + 19T^{12} + 32T^{11} - 319T^{10} + 968T^9 - 1749T^8 + 2112T^7 - 1749T^6 + 968T^5 - 319T^4 + 32T^3 + 19T^2 - 8T + 1)/(-T + 1)^{16}$	3
4	6	$(5T^9 - 39T^8 + 132T^7 - 252T^6 + 294T^5 - 210T^4 + 84T^3 - 12T^2 - 3T + 1)/(-T + 1)^{12}$	1
4	6	$(T^{10} - 4T^9 - 3T^8 + 48T^7 - 126T^6 + 168T^5 - 126T^4 + 48T^3 - 3T^2 - 4T + 1)/(-T + 1)^{12}$	2

5 N=6

5.1 E=6

Table 20: Quivers with 6 Vertices and 6 Edges

Dimension	Degree	Hilbert Series	Count
0	1	1	1

5.2 E=7

Table 21: Quivers with 6 Vertices and 7 Edges

Dimension	Degree	Hilbert Series	Count
0	1	$(T^2 - 2T + 1)/(-T + 1)^2$	6
1	1	$1/(-T + 1)$	3

5.3 E=8

Table 22: Quivers with 6 Vertices and 8 Edges

Dimension	Degree	Hilbert Series	Count
0	1	$(-T^3 + 3T^2 - 3T + 1)/(-T + 1)^3$	42
0	1	$(T^4 - 4T^3 + 6T^2 - 4T + 1)/(-T + 1)^4$	232
1	1	$(-T^3 + 3T^2 - 3T + 1)/(-T + 1)^4$	127
1	1	$(T^2 - 2T + 1)/(-T + 1)^3$	45
1	2	$(-T^4 + 2T^3 - 2T + 1)/(-T + 1)^4$	4
2	1	$(T^2 - 2T + 1)/(-T + 1)^4$	69
2	1	$(-T + 1)(-2)$	18
2	1	$(-T^3 + 3T^2 - 3T + 1)/(-T + 1)^5$	1
2	2	$(T^3 - T^2 - T + 1)/(-T + 1)^4$	10

5.4   E=9

Table 23: Quivers with 6 Vertices and 9 Edges

Dimension	Degree	Hilbert Series	Count
0	1	$(T^6 - 6T^5 + 15T^4 - 20T^3 + 15T^2 - 6T + 1)/(-T + 1)^6$	3996
0	1	$(T^4 - 4T^3 + 6T^2 - 4T + 1)/(-T + 1)^4$	236
0	1	$(T^8 - 8T^7 + 28T^6 - 56T^5 + 70T^4 - 56T^3 + 28T^2 - 8T + 1)/(-T + 1)^8$	7972
0	1	$(-T^5 + 5T^4 - 10T^3 + 10T^2 - 5T + 1)/(-T + 1)^5$	782
0	2	$(-T^6 + 4T^5 - 5T^4 + 5T^2 - 4T + 1)/(-T + 1)^5$	32
1	1	$(T^4 - 4T^3 + 6T^2 - 4T + 1)/(-T + 1)^5$	1371
1	1	$(-T^7 + 7T^6 - 21T^5 + 35T^4 - 35T^3 + 21T^2 - 7T + 1)/(-T + 1)^8$	4538
1	1	$(-T^3 + 3T^2 - 3T + 1)/(-T + 1)^4$	101
1	1	$(-T^5 + 5T^4 - 10T^3 + 10T^2 - 5T + 1)/(-T + 1)^6$	2164
1	2	$(-T^6 + 4T^5 - 5T^4 + 5T^2 - 4T + 1)/(-T + 1)^6$	96
1	2	$(T^5 - 3T^4 + 2T^3 + 2T^2 - 3T + 1)/(-T + 1)^5$	68
1	2	$(-T^8 + 6T^7 - 14T^6 + 14T^5 - 14T^3 + 14T^2 - 6T + 1)/(-T + 1)^8$	717
1	3	$(2T^5 - 7T^4 + 8T^3 - 2T^2 - 2T + 1)/(-T + 1)^5$	14
1	3	$(-2T^8 + 13T^7 - 35T^6 + 49T^5 - 35T^4 + 7T^3 + 7T^2 - 5T + 1)/(-T + 1)^8$	9
2	1	$(T^4 - 4T^3 + 6T^2 - 4T + 1)/(-T + 1)^6$	1648
2	1	$(T^6 - 6T^5 + 15T^4 - 20T^3 + 15T^2 - 6T + 1)/(-T + 1)^8$	1037
2	1	$(-T^3 + 3T^2 - 3T + 1)/(-T + 1)^5$	603
2	1	$(T^5 - 4T^4 + 5T^3 - T^2 - 2T + 1)/(-T + 1)^5$	5
2	1	$(T^2 - 2T + 1)/(-T + 1)^4$	160
2	1	$(-T^8 + 7T^7 - 20T^6 + 29T^5 - 20T^4 + T^3 + 8T^2 - 5T + 1)/(-T + 1)^8$	166
2	1	$(-T^6 + 5T^5 - 9T^4 + 6T^3 + T^2 - 3T + 1)/(-T + 1)^6$	16
		Continued on next page →	

Dimension	Degree	Hilbert Series	Count
2	2	$(-T^8 + 8T^7 - 26T^6 + 44T^5 - 40T^4 + 16T^3 + 2T^2 - 4T + 1)/(-T+1)^8$	11
2	2	$(T^7 - 5T^6 + 9T^5 - 5T^4 - 5T^3 + 9T^2 - 5T + 1)/(-T+1)^8$	1078
2	2	$(T^5 - 3T^4 + 2T^3 + 2T^2 - 3T + 1)/(-T+1)^6$	335
2	2	$(-T^4 + 2T^3 - 2T + 1)/(-T+1)^5$	39
2	3	$(2T^7 - 11T^6 + 24T^5 - 25T^4 + 10T^3 + 3T^2 - 4T + 1)/(-T+1)^8$	234
2	3	$(-2T^4 + 5T^3 - 3T^2 - T + 1)/(-T+1)^5$	4
2	4	$(3T^7 - 17T^6 + 39T^5 - 45T^4 + 25T^3 - 3T^2 - 3T + 1)/(-T+1)^8$	4
3	1	$(T^5 - 4T^4 + 5T^3 - T^2 - 2T + 1)/(-T+1)^6$	72
3	1	$(-T^3 + 3T^2 - 3T + 1)/(-T+1)^6$	156
3	1	$(T^2 - 2T + 1)/(-T+1)^5$	302
3	1	$(-T^4 + 3T^3 - 2T^2 - T + 1)/(-T+1)^5$	10
3	1	$(-T+1)(-3)$	30
3	2	$(-T^4 + 2T^3 - 2T + 1)/(-T+1)^6$	82
3	2	$(T^3 - T^2 - T + 1)/(-T+1)^5$	50
3	2	$(-T^6 + 4T^5 - 5T^4 + 5T^2 - 4T + 1)/(-T+1)^8$	312
3	2	$(T^7 - 7T^6 + 19T^5 - 25T^4 + 15T^3 - T^2 - 3T + 1)/(-T+1)^8$	126
3	3	$(T^4 - T^3 - T + 1)/(-T+1)^5$	1
3	3	$(-2T^4 + 5T^3 - 3T^2 - T + 1)/(-T+1)^6$	6
3	4	$(-3T^6 + 14T^5 - 25T^4 + 20T^3 - 5T^2 - 2T + 1)/(-T+1)^8$	21

5.5   E=10

Table 24: Quivers with 6 Vertices and 10 Edges

Dimension	Degree	Hilbert Series	Count
0	1	$(-T^7 + 7T^6 - 21T^5 + 35T^4 - 35T^3 + 21T^2 - 7T + 1)/(-T+1)^7$	2010
		Continued on next page →	

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Dimension	Degree	Hilbert Series	Count
0	1	$(T^{12} - 12T^{11} + 66T^{10} - 220T^9 + 495T^8 - 792T^7 + 924T^6 - 792T^5 + 495T^4 - 220T^3 + 66T^2 - 12T + 1)/(-T + 1)^{12}$	14439
0	1	$(T^6 - 6T^5 + 15T^4 - 20T^3 + 15T^2 - 6T + 1)/(-T + 1)^6$	8108
0	1	$(-T^9 + 9T^8 - 36T^7 + 84T^6 - 126T^5 + 126T^4 - 84T^3 + 36T^2 - 9T + 1)/(-T + 1)^9$	10670
0	1	$(T^{10} - 10T^9 + 45T^8 - 120T^7 + 210T^6 - 252T^5 + 210T^4 - 120T^3 + 45T^2 - 10T + 1)/(-T + 1)^{10}$	11612
0	1	$(T^8 - 8T^7 + 28T^6 - 56T^5 + 70T^4 - 56T^3 + 28T^2 - 8T + 1)/(-T + 1)^8$	8439
0	1	$(T^{16} - 16T^{15} + 120T^{14} - 560T^{13} + 1820T^{12} - 4368T^{11} + 8008T^{10} - 11440T^9 + 12870T^8 - 11440T^7 + 8008T^6 - 4368T^5 + 1820T^4 - 560T^3 + 120T^2 - 16T + 1)/(-T + 1)^{16}$	17814
0	1	$(-T^5 + 5T^4 - 10T^3 + 10T^2 - 5T + 1)/(-T + 1)^5$	140
0	2	$(-T^{10} + 8T^9 - 27T^8 + 48T^7 - 42T^6 + 42T^4 - 48T^3 + 27T^2 - 8T + 1)/(-T + 1)^9$	719
0	3	$(-2T^{10} + 17T^9 - 63T^8 + 132T^7 - 168T^6 + 126T^5 - 42T^4 - 12T^3 + 18T^2 - 7T + 1)/(-T + 1)^9$	374
1	1	$(-T^{11} + 11T^{10} - 55T^9 + 165T^8 - 330T^7 + 462T^6 - 462T^5 + 330T^4 - 165T^3 + 55T^2 - 11T + 1)/(-T + 1)^{12}$	11178
1	1	$(-T^{10} + 9T^9 - 35T^8 + 76T^7 - 98T^6 + 70T^5 - 14T^4 - 20T^3 + 19T^2 - 7T + 1)/(-T + 1)^9$	82
1	1	$(-T^9 + 9T^8 - 36T^7 + 84T^6 - 126T^5 + 126T^4 - 84T^3 + 36T^2 - 9T + 1)/(-T + 1)^{10}$	8406
1	1	$(T^8 - 8T^7 + 28T^6 - 56T^5 + 70T^4 - 56T^3 + 28T^2 - 8T + 1)/(-T + 1)^9$	31829
1	1	$(-T^8 + 7T^7 - 20T^6 + 29T^5 - 20T^4 + T^3 + 8T^2 - 5T + 1)/(-T + 1)^7$	92
1	1	$(-T^7 + 7T^6 - 21T^5 + 35T^4 - 35T^3 + 21T^2 - 7T + 1)/(-T + 1)^8$	8675
1	1	$(-T^5 + 5T^4 - 10T^3 + 10T^2 - 5T + 1)/(-T + 1)^6$	4000

Dimension	Degree	Hilbert Series	Count
1	1	$(-T^{15} + 15T^{14} - 105T^{13} + 455T^{12} - 1365T^{11} + 3003T^{10} - 5005T^9 + 6435T^8 - 6435T^7 + 5005T^6 - 3003T^5 + 1365T^4 - 455T^3 + 105T^2 - 15T + 1)/(-T + 1)^{16}$	6028
1	1	$(T^4 - 4T^3 + 6T^2 - 4T + 1)/(-T + 1)^5$	486
1	1	$(T^6 - 6T^5 + 15T^4 - 20T^3 + 15T^2 - 6T + 1)/(-T + 1)^7$	10998
1	1	$(-2T^{10} + 18T^9 - 71T^8 + 160T^7 - 224T^6 + 196T^5 - 98T^4 + 16T^3 + 10T^2 - 6T + 1)/(-T + 1)^9$	6
1	2	$(-T^8 + 6T^7 - 14T^6 + 14T^5 - 14T^3 + 14T^2 - 6T + 1)/(-T + 1)^8$	1168
1	2	$(-T^6 + 4T^5 - 5T^4 + 5T^2 - 4T + 1)/(-T + 1)^6$	32
1	2	$(T^9 - 7T^8 + 20T^7 - 28T^6 + 14T^5 + 14T^4 - 28T^3 + 20T^2 - 7T + 1)/(-T + 1)^9$	2610
1	2	$(-T^{16} + 14T^{15} - 90T^{14} + 350T^{13} - 910T^{12} + 1638T^{11} - 2002T^{10} + 1430T^9 - 1430T^7 + 2002T^6 - 1638T^5 + 910T^4 - 350T^3 + 90T^2 - 14T + 1)/(-T + 1)^{16}$	3923
1	2	$(T^7 - 5T^6 + 9T^5 - 5T^4 - 5T^3 + 9T^2 - 5T + 1)/(-T + 1)^7$	1514
1	2	$(-T^{10} + 8T^9 - 27T^8 + 48T^7 - 42T^6 + 42T^4 - 48T^3 + 27T^2 - 8T + 1)/(-T + 1)^{10}$	482
1	2	$(-T^{12} + 10T^{11} - 44T^{10} + 110T^9 - 165T^8 + 132T^7 - 132T^5 + 165T^4 - 110T^3 + 44T^2 - 10T + 1)/(-T + 1)^{12}$	3616
1	2	$(-T^{10} + 10T^9 - 43T^8 + 104T^7 - 154T^6 + 140T^5 - 70T^4 + 8T^3 + 11T^2 - 6T + 1)/(-T + 1)^9$	296
1	3	$(-2T^6 + 9T^5 - 15T^4 + 10T^3 - 3T + 1)/(-T + 1)^6$	20
1	3	$(-2T^{16} + 29T^{15} - 195T^{14} + 805T^{13} - 2275T^{12} + 4641T^{11} - 7007T^{10} + 7865T^9 - 6435T^8 + 3575T^7 - 1001T^6 - 273T^5 + 455T^4 - 245T^3 + 75T^2 - 13T + 1)/(-T + 1)^{16}$	1213
1	3	$(2T^7 - 11T^6 + 24T^5 - 25T^4 + 10T^3 + 3T^2 - 4T + 1)/(-T + 1)^7$	127
1	3	$(-2T^{12} + 21T^{11} - 99T^{10} + 275T^9 - 495T^8 + 594T^7 - 462T^6 + 198T^5 - 55T^3 + 33T^2 - 9T + 1)/(-T + 1)^{12}$	433

Dimension	Degree	Hilbert Series	Count
1	3	$(2T^9 - 15T^8 + 48T^7 - 84T^6 + 84T^5 - 42T^4 + 12T^2 - 6T + 1)/(-T + 1)^9$	684
1	3	$(-T^{10} + 11T^9 - 51T^8 + 132T^7 - 210T^6 + 210T^5 - 126T^4 + 36T^3 + 3T^2 - 5T + 1)/(-T + 1)^9$	9
1	3	$(-2T^{10} + 17T^9 - 63T^8 + 132T^7 - 168T^6 + 126T^5 - 42T^4 - 12T^3 + 18T^2 - 7T + 1)/(-T + 1)^{10}$	9
1	4	$(-3T^{16} + 44T^{15} - 300T^{14} + 1260T^{13} - 3640T^{12} + 7644T^{11} - 12012T^{10} + 14300T^9 - 12870T^8 + 8580T^7 - 4004T^6 + 1092T^5 - 140T^3 + 60T^2 - 12T + 1)/(-T + 1)^{16}$	343
1	4	$(-3T^{12} + 32T^{11} - 154T^{10} + 440T^9 - 825T^8 + 1056T^7 - 924T^6 + 528T^5 - 165T^4 + 22T^2 - 8T + 1)/(-T + 1)^{12}$	2
1	5	$(-4T^{16} + 59T^{15} - 405T^{14} + 1715T^{13} - 5005T^{12} + 10647T^{11} - 17017T^{10} + 20735T^9 - 19305T^8 + 13585T^7 - 7007T^6 + 2457T^5 - 455T^4 - 35T^3 + 45T^2 - 11T + 1)/(-T + 1)^{16}$	51
1	6	$(-5T^{16} + 74T^{15} - 510T^{14} + 2170T^{13} - 6370T^{12} + 13650T^{11} - 22022T^{10} + 27170T^9 - 25740T^8 + 18590T^7 - 10010T^6 + 3822T^5 - 910T^4 + 70T^3 + 30T^2 - 10T + 1)/(-T + 1)^{16}$	4
2	1	$(-T^{10} + 10T^9 - 44T^8 + 111T^7 - 175T^6 + 175T^5 - 105T^4 + 29T^3 + 4T^2 - 5T + 1)/(-T + 1)^9$	57
2	1	$(2T^9 - 16T^8 + 55T^7 - 105T^6 + 119T^5 - 77T^4 + 21T^3 + 5T^2 - 5T + 1)/(-T + 1)^9$	130
2	1	$(-T^{12} + 11T^{11} - 54T^{10} + 155T^9 - 285T^8 + 342T^7 - 252T^6 + 78T^5 + 45T^4 - 65T^3 + 34T^2 - 9T + 1)/(-T + 1)^{12}$	1048
2	1	$(T^{14} - 14T^{13} + 91T^{12} - 364T^{11} + 1001T^{10} - 2002T^9 + 3003T^8 - 3432T^7 + 3003T^6 - 2002T^5 + 1001T^4 - 364T^3 + 91T^2 - 14T + 1)/(-T + 1)^{16}$	240
2	1	$(T^4 - 4T^3 + 6T^2 - 4T + 1)/(-T + 1)^6$	5088
2	1	$(T^8 - 8T^7 + 28T^6 - 56T^5 + 70T^4 - 56T^3 + 28T^2 - 8T + 1)/(-T + 1)^{10}$	11197
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Dimension	Degree	Hilbert Series	Count
2	1	$(T^6 - 6T^5 + 15T^4 - 20T^3 + 15T^2 - 6T + 1)/(-T + 1)^8$	10473
2	1	$(-T^3 + 3T^2 - 3T + 1)/(-T + 1)^5$	120
2	1	$(T^7 - 6T^6 + 14T^5 - 15T^4 + 5T^3 + 4T^2 - 4T + 1)/(-T + 1)^7$	368
2	1	$(-2T^{12} + 22T^{11} - 109T^{10} + 320T^9 - 615T^8 + 804T^7 - 714T^6 + 408T^5 - 120T^4 - 10T^3 + 23T^2 - 8T + 1)/(-T + 1)^{12}$	63
2	1	$(-T^{16} + 15T^{15} - 104T^{14} + 441T^{13} - 1274T^{12} + 2639T^{11} - 4004T^{10} + 4433T^9 - 3432T^8 + 1573T^7 - 637T^5 + 546T^4 - 259T^3 + 76T^2 - 13T + 1)/(-T + 1)^{16}$	94
2	1	$(-T^5 + 5T^4 - 10T^3 + 10T^2 - 5T + 1)/(-T + 1)^7$	7270
2	1	$(-T^{10} + 9T^9 - 36T^8 + 83T^7 - 119T^6 + 105T^5 - 49T^4 + T^3 + 12T^2 - 6T + 1)/(-T + 1)^9$	6
2	1	$(-T^7 + 7T^6 - 21T^5 + 35T^4 - 35T^3 + 21T^2 - 7T + 1)/(-T + 1)^9$	18672
2	1	$(-2T^{16} + 30T^{15} - 209T^{14} + 896T^{13} - 2639T^{12} + 5642T^{11} - 9009T^{10} + 10868T^9 - 9867T^8 + 6578T^7 - 3003T^6 + 728T^5 + 91T^4 - 154T^3 + 61T^2 - 12T + 1)/(-T + 1)^{16}$	10
2	1	$(T^{10} - 10T^9 + 45T^8 - 120T^7 + 210T^6 - 252T^5 + 210T^4 - 120T^3 + 45T^2 - 10T + 1)/(-T + 1)^{12}$	3600
2	1	$(-T^{10} + 9T^9 - 35T^8 + 76T^7 - 98T^6 + 70T^5 - 14T^4 - 20T^3 + 19T^2 - 7T + 1)/(-T + 1)^{10}$	64
2	1	$(T^9 - 8T^8 + 27T^7 - 49T^6 + 49T^5 - 21T^4 - 7T^3 + 13T^2 - 6T + 1)/(-T + 1)^9$	1496
2	1	$(2T^7 - 12T^6 + 29T^5 - 35T^4 + 20T^3 - 2T^2 - 3T + 1)/(-T + 1)^7$	89
2	1	$(-T^8 + 7T^7 - 20T^6 + 29T^5 - 20T^4 + T^3 + 8T^2 - 5T + 1)/(-T + 1)^8$	97
2	1	$(-3T^{16} + 45T^{15} - 314T^{14} + 1351T^{13} - 4004T^{12} + 8645T^{11} - 14014T^{10} + 17303T^9 - 16302T^8 + 11583T^7 - 6006T^6 + 2093T^5 - 364T^4 - 49T^3 + 46T^2 - 11T + 1)/(-T + 1)^{16}$	1
2	2	$(2T^9 - 17T^8 + 62T^7 - 126T^6 + 154T^5 - 112T^4 + 42T^3 - 2T^2 - 4T + 1)/(-T + 1)^9$	26

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Dimension	Degree	Hilbert Series	Count
2	2	$(T^5 - 3T^4 + 2T^3 + 2T^2 - 3T + 1)/(-T + 1)^6$	198
2	2	$(-T^{16} + 16T^{15} - 118T^{14} + 532T^{13} - 1638T^{12} + 3640T^{11} - 6006T^{10} + 7436T^9 - 6864T^8 + 4576T^7 - 2002T^6 + 364T^5 + 182T^4 - 168T^3 + 62T^2 - 12T + 1)/(-T + 1)^{16}$	866
2	2	$(-2T^{16} + 31T^{15} - 223T^{14} + 987T^{13} - 3003T^{12} + 6643T^{11} - 11011T^{10} + 13871T^9 - 13299T^8 + 9581T^7 - 5005T^6 + 1729T^5 - 273T^4 - 63T^3 + 47T^2 - 11T + 1)/(-T + 1)^{16}$	272
2	2	$(T^{11} - 9T^{10} + 35T^9 - 75T^8 + 90T^7 - 42T^6 - 42T^5 + 90T^4 - 75T^3 + 35T^2 - 9T + 1)/(-T + 1)^{12}$	1623
2	2	$(-3T^{16} + 46T^{15} - 328T^{14} + 1442T^{13} - 4368T^{12} + 9646T^{11} - 16016T^{10} + 20306T^9 - 19734T^8 + 14586T^7 - 8008T^6 + 3094T^5 - 728T^4 + 42T^3 + 32T^2 - 10T + 1)/(-T + 1)^{16}$	21
2	2	$(T^9 - 9T^8 + 34T^7 - 70T^6 + 84T^5 - 56T^4 + 14T^3 + 6T^2 - 5T + 1)/(-T + 1)^9$	535
2	2	$(-T^{11} + 9T^{10} - 35T^9 + 75T^8 - 92T^7 + 56T^6 - 20T^4 + 5T^3 + 7T^2 - 5T + 1)/(-T + 1)^9$	21
2	2	$(T^9 - 7T^8 + 20T^7 - 28T^6 + 14T^5 + 14T^4 - 28T^3 + 20T^2 - 7T + 1)/(-T + 1)^{10}$	3301
2	2	$(T^7 - 7T^6 + 19T^5 - 25T^4 + 15T^3 - T^2 - 3T + 1)/(-T + 1)^7$	86
2	2	$(-T^{10} + 10T^9 - 43T^8 + 104T^7 - 154T^6 + 140T^5 - 70T^4 + 8T^3 + 11T^2 - 6T + 1)/(-T + 1)^{10}$	23
2	2	$(-T^8 + 6T^7 - 14T^6 + 14T^5 - 14T^3 + 14T^2 - 6T + 1)/(-T + 1)^9$	5025
2	2	$(T^{15} - 13T^{14} + 77T^{13} - 273T^{12} + 637T^{11} - 1001T^{10} + 1001T^9 - 429T^8 - 429T^7 + 1001T^6 - 1001T^5 + 637T^4 - 273T^3 + 77T^2 - 13T + 1)/(-T + 1)^{16}$	2236
2	2	$(-4T^{16} + 61T^{15} - 433T^{14} + 1897T^{13} - 5733T^{12} + 12649T^{11} - 21021T^{10} + 26741T^9 - 26169T^8 + 19591T^7 - 11011T^6 + 4459T^5 - 1183T^4 + 147T^3 + 17T^2 - 9T + 1)/(-T + 1)^{16}$	2
2	2	$(T^7 - 5T^6 + 9T^5 - 5T^4 - 5T^3 + 9T^2 - 5T + 1)/(-T + 1)^8$	4503

| | | ← Continued from previous page | |
Dimension	Degree	Hilbert Series	Count
2	2	$(-T^6 + 4T^5 - 5T^4 + 5T^2 - 4T + 1)/(-T + 1)^7$	1397
2	2	$(-T^{12} + 12T^{11} - 64T^{10} + 200T^9 - 405T^8 + 552T^7 - 504T^6 + 288T^5 - 75T^4 - 20T^3 + 24T^2 - 8T + 1)/(-T + 1)^{12}$	491
2	2	$(-T^8 + 8T^7 - 26T^6 + 44T^5 - 40T^4 + 16T^3 + 2T^2 - 4T + 1)/(-T + 1)^8$	8
2	3	$(-T^{12} + 13T^{11} - 74T^{10} + 245T^9 - 525T^8 + 762T^7 - 756T^6 + 498T^5 - 195T^4 + 25T^3 + 14T^2 - 7T + 1)/(-T + 1)^{12}$	61
2	3	$(2T^{15} - 27T^{14} + 168T^{13} - 637T^{12} + 1638T^{11} - 3003T^{10} + 4004T^9 - 3861T^8 + 2574T^7 - 1001T^6 + 273T^4 - 182T^3 + 63T^2 - 12T + 1)/(-T + 1)^{16}$	369
2	3	$(-T^{16} + 17T^{15} - 132T^{14} + 623T^{13} - 2002T^{12} + 4641T^{11} - 8008T^{10} + 10439T^9 - 10296T^8 + 7579T^7 - 4004T^6 + 1365T^5 - 182T^4 - 77T^3 + 48T^2 - 11T + 1)/(-T + 1)^{16}$	181
2	3	$(2T^7 - 11T^6 + 24T^5 - 25T^4 + 10T^3 + 3T^2 - 4T + 1)/(-T + 1)^8$	194
2	3	$(-2T^{16} + 32T^{15} - 237T^{14} + 1078T^{13} - 3367T^{12} + 7644T^{11} - 13013T^{10} + 16874T^9 - 16731T^8 + 12584T^7 - 7007T^6 + 2730T^5 - 637T^4 + 28T^3 + 33T^2 - 10T + 1)/(-T + 1)^{16}$	51
2	3	$(2T^{11} - 19T^{10} + 80T^9 - 195T^8 + 300T^7 - 294T^6 + 168T^5 - 30T^4 - 30T^3 + 25T^2 - 8T + 1)/(-T + 1)^{12}$	195
2	3	$(-2T^6 + 9T^5 - 15T^4 + 10T^3 - 3T + 1)/(-T + 1)^7$	166
2	3	$(T^6 - 3T^5 + 3T^4 - 2T^3 + 3T^2 - 3T + 1)/(-T + 1)^6$	44
2	3	$(-3T^{16} + 47T^{15} - 342T^{14} + 1533T^{13} - 4732T^{12} + 10647T^{11} - 18018T^{10} + 23309T^9 - 23166T^8 + 17589T^7 - 10010T^6 + 4095T^5 - 1092T^4 + 133T^3 + 18T^2 - 9T + 1)/(-T + 1)^{16}$	3
2	3	$(2T^5 - 7T^4 + 8T^3 - 2T^2 - 2T + 1)/(-T + 1)^6$	54
2	3	$(-T^9 + 6T^8 - 15T^7 + 21T^6 - 21T^5 + 21T^4 - 21T^3 + 15T^2 - 6T + 1)/(-T + 1)^9$	1
2	3	$(T^9 - 10T^8 + 41T^7 - 91T^6 + 119T^5 - 91T^4 + 35T^3 - T^2 - 4T + 1)/(-T + 1)^9$	73
		Continued on next page →	

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Dimension	Degree	Hilbert Series	Count
2	3	$(-2T^8 + 13T^7 - 35T^6 + 49T^5 - 35T^4 + 7T^3 + 7T^2 - 5T + 1)/(-T+1)^9$	748
2	3	$(2T^9 - 15T^8 + 48T^7 - 84T^6 + 84T^5 - 42T^4 + 12T^2 - 6T + 1)/(-T+1)^{10}$	522
2	4	$(-T^{16} + 18T^{15} - 146T^{14} + 714T^{13} - 2366T^{12} + 5642T^{11} - 10010T^{10} + 13442T^9 - 13728T^8 + 10582T^7 - 6006T^6 + 2366T^5 - 546T^4 + 14T^3 + 34T^2 - 10T + 1)/(-T+1)^{16}$	80
2	4	$(-3T^6 + 14T^5 - 25T^4 + 20T^3 - 5T^2 - 2T + 1)/(-T+1)^7$	2
2	4	$(3T^{15} - 41T^{14} + 259T^{13} - 1001T^{12} + 2639T^{11} - 5005T^{10} + 7007T^9 - 7293T^8 + 5577T^7 - 3003T^6 + 1001T^5 - 91T^4 - 91T^3 + 49T^2 - 11T + 1)/(-T+1)^{16}$	172
2	4	$(-3T^8 + 20T^7 - 56T^6 + 84T^5 - 70T^4 + 28T^3 - 4T + 1)/(-T+1)^9$	82
2	4	$(-2T^{16} + 33T^{15} - 251T^{14} + 1169T^{13} - 3731T^{12} + 8645T^{11} - 15015T^{10} + 19877T^9 - 20163T^8 + 15587T^7 - 9009T^6 + 3731T^5 - 1001T^4 + 119T^3 + 19T^2 - 9T + 1)/(-T+1)^{16}$	5
2	4	$(-T^9 + 5T^8 - 8T^7 + 14T^5 - 14T^4 + 8T^2 - 5T + 1)/(-T+1)^9$	17
2	4	$(3T^9 - 23T^8 + 76T^7 - 140T^6 + 154T^5 - 98T^4 + 28T^3 + 4T^2 - 5T + 1)/(-T+1)^{10}$	5
2	4	$(3T^{11} - 29T^{10} + 125T^9 - 315T^8 + 510T^7 - 546T^6 + 378T^5 - 150T^4 + 15T^3 + 15T^2 - 7T + 1)/(-T+1)^{12}$	37
2	5	$(-T^9 + 4T^8 - T^7 - 21T^6 + 49T^5 - 49T^4 + 21T^3 + T^2 - 4T + 1)/(-T+1)^9$	3
2	5	$(4T^{11} - 39T^{10} + 170T^9 - 435T^8 + 720T^7 - 798T^6 + 588T^5 - 270T^4 + 60T^3 + 5T^2 - 6T + 1)/(-T+1)^{12}$	4
2	5	$(4T^{15} - 55T^{14} + 350T^{13} - 1365T^{12} + 3640T^{11} - 7007T^{10} + 10010T^9 - 10725T^8 + 8580T^7 - 5005T^6 + 2002T^5 - 455T^4 + 35T^2 - 10T + 1)/(-T+1)^{16}$	51

Dimension	Degree	Hilbert Series	Count
2	5	$(-T^{16} + 19T^{15} - 160T^{14} + 805T^{13} - 2730T^{12} + 6643T^{11} - 12012T^{10} + 16445T^9 - 17160T^8 + 13585T^7 - 8008T^6 + 3367T^5 - 910T^4 + 105T^3 + 20T^2 - 9T + 1)/(-T + 1)^{16}$	15
2	5	$(-4T^8 + 27T^7 - 77T^6 + 119T^5 - 105T^4 + 49T^3 - 7T^2 - 3T + 1)/(-T + 1)^9$	5
2	6	$(-T^9 + 3T^8 + 6T^7 - 42T^6 + 84T^5 - 84T^4 + 42T^3 - 6T^2 - 3T + 1)/(-T + 1)^9$	11
2	6	$(5T^{15} - 69T^{14} + 441T^{13} - 1729T^{12} + 4641T^{11} - 9009T^{10} + 13013T^9 - 14157T^8 + 11583T^7 - 7007T^6 + 3003T^5 - 819T^4 + 91T^3 + 21T^2 - 9T + 1)/(-T + 1)^{16}$	17
2	6	$(-T^{16} + 20T^{15} - 174T^{14} + 896T^{13} - 3094T^{12} + 7644T^{11} - 14014T^{10} + 19448T^9 - 20592T^8 + 16588T^7 - 10010T^6 + 4368T^5 - 1274T^4 + 196T^3 + 6T^2 - 8T + 1)/(-T + 1)^{16}$	3
2	6	$(3T^6 - 10T^5 + 11T^4 - 4T^3 + T^2 - 2T + 1)/(-T + 1)^6$	12
2	7	$(6T^{15} - 83T^{14} + 532T^{13} - 2093T^{12} + 5642T^{11} - 11011T^{10} + 16016T^9 - 17589T^8 + 14586T^7 - 9009T^6 + 4004T^5 - 1183T^4 + 182T^3 + 7T^2 - 8T + 1)/(-T + 1)^{16}$	4
2	8	$(-2T^9 + 9T^8 - 8T^7 - 28T^6 + 84T^5 - 98T^4 + 56T^3 - 12T^2 - 2T + 1)/(-T + 1)^9$	2
2	8	$(T^{16} - 8T^{15} + 8T^{14} + 168T^{13} - 1092T^{12} + 3640T^{11} - 8008T^{10} + 12584T^9 - 14586T^8 + 12584T^7 - 8008T^6 + 3640T^5 - 1092T^4 + 168T^3 + 8T^2 - 8T + 1)/(-T + 1)^{16}$	1
3	1	$(2T^6 - 7T^5 + 8T^4 - 3T^3 + T^2 - 2T + 1)/(-T + 1)^6$	2
3	1	$(-T^8 + 7T^7 - 20T^6 + 29T^5 - 20T^4 + T^3 + 8T^2 - 5T + 1)/(-T + 1)^9$	284
3	1	$(T^9 - 8T^8 + 27T^7 - 49T^6 + 49T^5 - 21T^4 - 7T^3 + 13T^2 - 6T + 1)/(-T + 1)^{10}$	55
3	1	$(-T^5 + 5T^4 - 10T^3 + 10T^2 - 5T + 1)/(-T + 1)^8$	3037
3	1	$(T^6 - 6T^5 + 15T^4 - 20T^3 + 15T^2 - 6T + 1)/(-T + 1)^9$	3969

Dimension	Degree	Hilbert Series	Count
3	1	$(T^{11} - 10T^{10} + 44T^9 - 111T^8 + 174T^7 - 168T^6 + 84T^5 + 6T^4 - 39T^3 + 26T^2 - 8T + 1)/(-T+1)^{12}$	2
3	1	$(-T^{12} + 11T^{11} - 55T^{10} + 164T^9 - 321T^8 + 426T^7 - 378T^6 + 204T^5 - 39T^4 - 29T^3 + 25T^2 - 8T + 1)/(-T+1)^{12}$	2
3	1	$(-T^9 + 9T^8 - 36T^7 + 84T^6 - 126T^5 + 126T^4 - 84T^3 + 36T^2 - 9T + 1)/(-T+1)^{12}$	4
3	1	$(2T^{11} - 20T^{10} + 89T^9 - 231T^8 + 384T^7 - 420T^6 + 294T^5 - 114T^4 + 6T^3 + 16T^2 - 7T + 1)/(-T+1)^{12}$	2
3	1	$(-T^{12} + 12T^{11} - 65T^{10} + 209T^9 - 441T^8 + 636T^7 - 630T^6 + 414T^5 - 159T^4 + 16T^3 + 15T^2 - 7T + 1)/(-T+1)^{12}$	2
3	1	$(-3T^8 + 21T^7 - 62T^6 + 99T^5 - 90T^4 + 43T^3 - 6T^2 - 3T + 1)/(-T+1)^9$	6
3	1	$(-T^{10} + 10T^9 - 44T^8 + 112T^7 - 181T^6 + 190T^5 - 125T^4 + 44T^3 - 2T^2 - 4T + 1)/(-T+1)^9$	1
3	1	$(T^9 - 9T^8 + 35T^7 - 76T^6 + 99T^5 - 76T^4 + 29T^3 - 4T + 1)/(-T+1)^9$	28
3	1	$(T^4 - 4T^3 + 6T^2 - 4T + 1)/(-T+1)^7$	4078
3	1	$(T^7 - 6T^6 + 15T^5 - 19T^4 + 11T^3 - 3T + 1)/(-T+1)^7$	16
3	1	$(T^5 - 4T^4 + 5T^3 - T^2 - 2T + 1)/(-T+1)^6$	14
3	1	$(T^7 - 6T^6 + 14T^5 - 15T^4 + 5T^3 + 4T^2 - 4T + 1)/(-T+1)^8$	531
3	1	$(-T^3 + 3T^2 - 3T + 1)/(-T+1)^6$	1272
3	1	$(T^2 - 2T + 1)/(-T+1)^5$	248
3	1	$(-T^6 + 5T^5 - 9T^4 + 6T^3 + T^2 - 3T + 1)/(-T+1)^7$	48
3	1	$(T^9 - 8T^8 + 28T^7 - 55T^6 + 64T^5 - 41T^4 + 8T^3 + 7T^2 - 5T + 1)/(-T+1)^9$	106
3	1	$(-2T^8 + 14T^7 - 41T^6 + 64T^5 - 55T^4 + 22T^3 + T^2 - 4T + 1)/(-T+1)^9$	17
3	2	$(T^{11} - 11T^{10} + 53T^9 - 147T^8 + 258T^7 - 294T^6 + 210T^5 - 78T^4 - 3T^3 + 17T^2 - 7T + 1)/(-T+1)^{12}$	182

Dimension	Degree	Hilbert Series	Count
3	2	$(-T^{12}+11T^{11}-56T^{10}+173T^9-357T^8+510T^7-504T^6+330T^5-123T^4+7T^3+16T^2-7T+1)/(-T+1)^{12}$	14
3	2	$(T^9-9T^8+34T^7-70T^6+84T^5-56T^4+14T^3+6T^2-5T+1)/(-T+1)^{10}$	513
3	2	$(2T^{11}-21T^{10}+98T^9-267T^8+468T^7-546T^6+420T^5-198T^4+42T^3+7T^2-6T+1)/(-T+1)^{12}$	4
3	2	$(-T^8+6T^7-14T^6+14T^5-14T^3+14T^2-6T+1)/(-T+1)^{10}$	731
3	2	$(T^9-8T^8+29T^7-61T^6+79T^5-61T^4+23T^3+T^2-4T+1)/(-T+1)^9$	17
3	2	$(-T^8+8T^7-26T^6+44T^5-40T^4+16T^3+2T^2-4T+1)/(-T+1)^9$	214
3	2	$(T^7-5T^6+9T^5-5T^4-5T^3+9T^2-5T+1)/(-T+1)^9$	3944
3	2	$(T^5-3T^4+2T^3+2T^2-3T+1)/(-T+1)^7$	1360
3	2	$(-T^4+2T^3-2T+1)/(-T+1)^6$	371
3	2	$(T^{15}-15T^{14}+103T^{13}-429T^{12}+1209T^{11}-2431T^{10}+3575T^9-3861T^8+3003T^7-1573T^6+429T^5+65T^4-117T^3+51T^2-11T+1)/(-T+1)^{16}$	102
3	2	$(4T^{15}-57T^{14}+376T^{13}-1521T^{12}+4212T^{11}-8437T^{10}+12584T^9-14157T^8+12012T^7-7579T^6+3432T^5-1027T^4+156T^3+9T^2-8T+1)/(-T+1)^{16}$	7
3	2	$(-T^{16}+18T^{15}-148T^{14}+740T^{13}-2522T^{12}+6214T^{11}-11440T^{10}+16016T^9-17160T^8+14014T^7-8580T^6+3796T^5-1118T^4+170T^3+8T^2-8T+1)/(-T+1)^{16}$	1
3	2	$(-T^{12}+12T^{11}-66T^{10}+218T^9-477T^8+720T^7-756T^6+540T^5-243T^4+52T^3+6T^2-6T+1)/(-T+1)^{12}$	7
3	2	$(3T^{15}-43T^{14}+285T^{13}-1157T^{12}+3211T^{11}-6435T^{10}+9581T^9-10725T^8+9009T^7-5577T^6+2431T^5-663T^4+65T^3+23T^2-9T+1)/(-T+1)^{16}$	7
		Continued on next page →	

Dimension	Degree	Hilbert Series	Count
3	2	$(2T^{15} - 29T^{14} + 194T^{13} - 793T^{12} + 2210T^{11} - 4433T^{10} + 6578T^9 - 7293T^8 + 6006T^7 - 3575T^6 + 1430T^5 - 299T^4 - 26T^3 + 37T^2 - 10T + 1)/(-T + 1)^{16}$	18
3	2	$(-T^{16} + 17T^{15} - 134T^{14} + 649T^{13} - 2158T^{12} + 5213T^{11} - 9438T^{10} + 13013T^9 - 13728T^8 + 11011T^7 - 6578T^6 + 2795T^5 - 754T^4 + 79T^3 + 22T^2 - 9T + 1)/(-T + 1)^{16}$	9
3	2	$(-2T^{16} + 30T^{15} - 211T^{14} + 922T^{13} - 2795T^{12} + 6214T^{11} - 10439T^{10} + 13442T^9 - 13299T^8 + 10010T^7 - 5577T^6 + 2158T^5 - 481T^4 + 2T^3 + 35T^2 - 10T + 1)/(-T + 1)^{16}$	4
3	2	$(-T^6 + 6T^5 - 13T^4 + 12T^3 - 3T^2 - 2T + 1)/(-T + 1)^7$	16
3	2	$(-T^{10} + 9T^9 - 37T^8 + 90T^7 - 140T^6 + 140T^5 - 84T^4 + 22T^3 + 5T^2 - 5T + 1)/(-T + 1)^{10}$	1
3	2	$(-2T^{16} + 31T^{15} - 225T^{14} + 1013T^{13} - 3159T^{12} + 7215T^{11} - 12441T^{10} + 16445T^9 - 16731T^8 + 13013T^7 - 7579T^6 + 3159T^5 - 845T^4 + 93T^3 + 21T^2 - 9T + 1)/(-T + 1)^{16}$	2
3	2	$(3T^{11} - 31T^{10} + 143T^9 - 387T^8 + 678T^7 - 798T^6 + 630T^5 - 318T^4 + 87T^3 - 3T^2 - 5T + 1)/(-T + 1)^{12}$	1
3	2	$(-T^{14} + 12T^{13} - 65T^{12} + 208T^{11} - 429T^{10} + 572T^9 - 429T^8 + 429T^6 - 572T^5 + 429T^4 - 208T^3 + 65T^2 - 12T + 1)/(-T + 1)^{16}$	146
3	2	$(-T^{10} + 8T^9 - 27T^8 + 48T^7 - 42T^6 + 42T^4 - 48T^3 + 27T^2 - 8T + 1)/(-T + 1)^{12}$	912
3	2	$(-T^{16} + 15T^{15} - 106T^{14} + 467T^{13} - 1430T^{12} + 3211T^{11} - 5434T^{10} + 7007T^9 - 6864T^8 + 5005T^7 - 2574T^6 + 793T^5 - 26T^4 - 103T^3 + 50T^2 - 11T + 1)/(-T + 1)^{16}$	33
3	2	$(T^7 - 7T^6 + 19T^5 - 25T^4 + 15T^3 - T^2 - 3T + 1)/(-T + 1)^8$	39
3	2	$(-T^6 + 4T^5 - 5T^4 + 5T^2 - 4T + 1)/(-T + 1)^8$	2252
3	2	$(-T^{16} + 16T^{15} - 120T^{14} + 558T^{13} - 1794T^{12} + 4212T^{11} - 7436T^{10} + 10010T^9 - 10296T^8 + 8008T^7 - 4576T^6 + 1794T^5 - 390T^4 - 12T^3 + 36T^2 - 10T + 1)/(-T + 1)^{16}$	28

Dimension	Degree	Hilbert Series	Count
3	3	$(-T^8 + 9T^7 - 32T^6 + 59T^5 - 60T^4 + 31T^3 - 4T^2 - 3T + 1)/(-T + 1)^9$	23
3	3	$(T^6 - 3T^5 + 3T^4 - 2T^3 + 3T^2 - 3T + 1)/(-T + 1)^7$	152
3	3	$(-2T^6 + 9T^5 - 15T^4 + 10T^3 - 3T + 1)/(-T + 1)^8$	438
3	3	$(-2T^4 + 5T^3 - 3T^2 - T + 1)/(-T + 1)^6$	16
3	3	$(-2T^8 + 13T^7 - 35T^6 + 49T^5 - 35T^4 + 7T^3 + 7T^2 - 5T + 1)/(-T + 1)^{10}$	527
3	3	$(-2T^{10} + 17T^9 - 63T^8 + 132T^7 - 168T^6 + 126T^5 - 42T^4 - 12T^3 + 18T^2 - 7T + 1)/(-T + 1)^{12}$	307
3	3	$(T^8 - 5T^7 + 10T^6 - 11T^5 + 10T^4 - 11T^3 + 10T^2 - 5T + 1)/(-T + 1)^9$	273
3	3	$(2T^{11} - 22T^{10} + 107T^9 - 303T^8 + 552T^7 - 672T^6 + 546T^5 - 282T^4 + 78T^3 - 2T^2 - 5T + 1)/(-T + 1)^{12}$	2
3	3	$(-T^5 + 2T^4 - T^3 + T^2 - 2T + 1)/(-T + 1)^6$	22
3	3	$(T^{11} - 12T^{10} + 62T^9 - 183T^8 + 342T^7 - 420T^6 + 336T^5 - 162T^4 + 33T^3 + 8T^2 - 6T + 1)/(-T + 1)^{12}$	73
3	3	$(2T^7 - 11T^6 + 24T^5 - 25T^4 + 10T^3 + 3T^2 - 4T + 1)/(-T + 1)^9$	970
3	3	$(2T^5 - 7T^4 + 8T^3 - 2T^2 - 2T + 1)/(-T + 1)^7$	76
3	4	$(T^8 - 4T^7 + 4T^6 + 4T^5 - 10T^4 + 4T^3 + 4T^2 - 4T + 1)/(-T + 1)^9$	333
3	4	$(-3T^{10} + 26T^9 - 99T^8 + 216T^7 - 294T^6 + 252T^5 - 126T^4 + 24T^3 + 9T^2 - 6T + 1)/(-T + 1)^{12}$	29
3	4	$(-T^{16} + 16T^{15} - 122T^{14} + 584T^{13} - 1950T^{12} + 4784T^{11} - 8866T^{10} + 12584T^9 - 13728T^8 + 11440T^7 - 7150T^6 + 3224T^5 - 962T^4 + 144T^3 + 10T^2 - 8T + 1)/(-T + 1)^{16}$	2
3	4	$(3T^7 - 17T^6 + 39T^5 - 45T^4 + 25T^3 - 3T^2 - 3T + 1)/(-T + 1)^9$	52
3	4	$(T^{15} - 17T^{14} + 129T^{13} - 585T^{12} + 1781T^{11} - 3861T^{10} + 6149T^9 - 7293T^8 + 6435T^7 - 4147T^6 + 1859T^5 - 507T^4 + 39T^3 + 25T^2 - 9T + 1)/(-T + 1)^{16}$	2

Dimension	Degree	Hilbert Series	Count
3	4	$(-3T^8+20T^7-56T^6+84T^5-70T^4+28T^3-4T+1)/(-T+1)^{10}$	184
3	4	$(3T^5-11T^4+14T^3-6T^2-T+1)/(-T+1)^7$	11
3	4	$(T^6-2T^5-T^4+4T^3-T^2-2T+1)/(-T+1)^7$	43
3	5	$(4T^7-23T^6+54T^5-65T^4+40T^3-9T^2-2T+1)/(-T+1)^9$	5
3	5	$(T^8-3T^7-2T^6+19T^5-30T^4+19T^3-2T^2-3T+1)/(-T+1)^9$	22
3	5	$(-4T^{10}+35T^9-135T^8+300T^7-420T^6+378T^5-210T^4+60T^3-5T+1)/(-T+1)^{12}$	70
3	6	$(-T^{15}+9T^{14}-27T^{13}-13T^{12}+351T^{11}-1287T^{10}+2717T^9-3861T^8+3861T^7-2717T^6+1287T^5-351T^4+13T^3+27T^2-9T+1)/(-T+1)^{16}$	40
3	6	$(T^8-2T^7-8T^6+34T^5-50T^4+34T^3-8T^2-2T+1)/(-T+1)^9$	3
3	6	$(2T^8-9T^7+13T^6-T^5-15T^4+13T^3-T^2-3T+1)/(-T+1)^9$	84
3	6	$(-T^9+3T^8+6T^7-42T^6+84T^5-84T^4+42T^3-6T^2-3T+1)/(-T+1)^{10}$	1
3	6	$(-T^{11}+5T^{10}-T^9-51T^8+174T^7-294T^6+294T^5-174T^4+51T^3+T^2-5T+1)/(-T+1)^{12}$	30
3	6	$(-3T^5+7T^4-4T^3-T+1)/(-T+1)^6$	3
3	6	$(-5T^{14}+64T^{13}-377T^{12}+1352T^{11}-3289T^{10}+5720T^9-7293T^8+6864T^7-4719T^6+2288T^5-715T^4+104T^3+13T^2-8T+1)/(-T+1)^{16}$	18
3	6	$(T^{15}-19T^{14}+155T^{13}-741T^{12}+2353T^{11}-5291T^{10}+8723T^9-10725T^8+9867T^7-6721T^6+3289T^5-1079T^4+195T^3-T^2-7T+1)/(-T+1)^{16}$	1
3	7	$(-T^{11}+4T^{10}+8T^9-87T^8+258T^7-420T^6+420T^5-258T^4+87T^3-8T^2-4T+1)/(-T+1)^{12}$	9
3	8	$(-T^{15}+7T^{14}-T^{13}-169T^{12}+923T^{11}-2717T^{10}+5291T^9-7293T^8+7293T^7-5291T^6+2717T^5-923T^4+169T^3+T^2-7T+1)/(-T+1)^{16}$	3

Dimension	Degree	Hilbert Series	Count
3	8	$(3T^8 - 14T^7 + 22T^6 - 6T^5 - 20T^4 + 22T^3 - 6T^2 - 2T + 1)/(-T + 1)^9$	20
3	10	$(-2T^{15} + 19T^{14} - 66T^{13} + 39T^{12} + 494T^{11} - 2145T^{10} + 4862T^9 - 7293T^8 + 7722T^7 - 5863T^6 + 3146T^5 - 1131T^4 + 234T^3 - 11T^2 - 6T + 1)/(-T + 1)^{16}$	3
4	1	$(T^2 - 2T + 1)/(-T + 1)^6$	786
4	1	$(T^4 - 4T^3 + 6T^2 - 4T + 1)/(-T + 1)^8$	1073
4	1	$(-T^6 + 5T^5 - 9T^4 + 6T^3 + T^2 - 3T + 1)/(-T + 1)^8$	518
4	1	$(-T + 1)(-4)$	25
4	1	$(-T^3 + 3T^2 - 3T + 1)/(-T + 1)^7$	432
4	1	$(-T^4 + 3T^3 - 2T^2 - T + 1)/(-T + 1)^6$	27
4	1	$(2T^5 - 8T^4 + 11T^3 - 5T^2 - T + 1)/(-T + 1)^7$	10
4	1	$(T^5 - 4T^4 + 5T^3 - T^2 - 2T + 1)/(-T + 1)^7$	184
4	1	$(T^6 - 3T^5 + 2T^4 + T^3 - 2T + 1)/(-T + 1)^7$	33
4	1	$(-2T^6 + 10T^5 - 19T^4 + 16T^3 - 4T^2 - 2T + 1)/(-T + 1)^8$	5
4	1	$(-2T^5 + 5T^4 - 3T^3 - T + 1)/(-T + 1)^6$	9
4	2	$(T^3 - T^2 - T + 1)/(-T + 1)^6$	96
4	2	$(T^5 - 3T^4 + 2T^3 + 2T^2 - 3T + 1)/(-T + 1)^8$	443
4	2	$(-2T^8 + 15T^7 - 47T^6 + 79T^5 - 75T^4 + 37T^3 - 5T^2 - 3T + 1)/(-T + 1)^{10}$	5
4	2	$(-T^8 + 7T^7 - 22T^6 + 39T^5 - 40T^4 + 21T^3 - 2T^2 - 3T + 1)/(-T + 1)^9$	3
4	2	$(-T^5 + 3T^4 - 2T^3 - T + 1)/(-T + 1)^6$	2
4	2	$(2T^8 - 10T^7 + 17T^6 - 6T^5 - 15T^4 + 18T^3 - 5T^2 - 2T + 1)/(-T + 1)^9$	15
4	2	$(-T^4 + 2T^3 - 2T + 1)/(-T + 1)^7$	206
4	2	$(T^9 - 8T^8 + 29T^7 - 61T^6 + 79T^5 - 61T^4 + 23T^3 + T^2 - 4T + 1)/(-T + 1)^{10}$	25
4	2	$(T^7 - 7T^6 + 19T^5 - 25T^4 + 15T^3 - T^2 - 3T + 1)/(-T + 1)^9$	401

Dimension	Degree	Hilbert Series	Count
4	2	$(-T^6 + 6T^5 - 13T^4 + 12T^3 - 3T^2 - 2T + 1)/(-T+1)^8$	94
4	2	$(2T^7 - 13T^6 + 34T^5 - 45T^4 + 30T^3 - 7T^2 - 2T + 1)/(-T+1)^9$	7
4	2	$(T^5 - 5T^4 + 8T^3 - 4T^2 - T + 1)/(-T+1)^7$	18
4	2	$(T^6 - 4T^5 + 5T^4 - 2T^3 + T^2 - 2T + 1)/(-T+1)^7$	2
4	2	$(T^7 - 5T^6 + 9T^5 - 5T^4 - 5T^3 + 9T^2 - 5T + 1)/(-T+1)^{10}$	59
4	2	$(T^8 - 5T^7 + 8T^6 - T^5 - 10T^4 + 9T^3 - 3T + 1)/(-T+1)^9$	60
4	2	$(-T^6 + 4T^5 - 5T^4 + 5T^2 - 4T + 1)/(-T+1)^9$	1152
4	3	$(-T^8 + 9T^7 - 32T^6 + 59T^5 - 60T^4 + 31T^3 - 4T^2 - 3T + 1)/(-T+1)^{10}$	38
4	3	$(-2T^{10} + 20T^9 - 87T^8 + 216T^7 - 336T^6 + 336T^5 - 210T^4 + 72T^3 - 6T^2 - 4T + 1)/(-T+1)^{12}$	10
4	3	$(2T^9 - 15T^8 + 48T^7 - 84T^6 + 84T^5 - 42T^4 + 12T^2 - 6T + 1)/(-T+1)^{12}$	42
4	3	$(2T^8 - 11T^7 + 22T^6 - 16T^5 - 5T^4 + 13T^3 - 4T^2 - 2T + 1)/(-T+1)^9$	10
4	3	$(-2T^8 + 13T^7 - 38T^6 + 64T^5 - 65T^4 + 37T^3 - 8T^2 - 2T + 1)/(-T+1)^9$	4
4	3	$(-T^8 + 6T^7 - 17T^6 + 29T^5 - 30T^4 + 16T^3 - T^2 - 3T + 1)/(-T+1)^9$	7
4	3	$(-T^7 + 4T^6 - 6T^5 + 5T^4 - 5T^3 + 6T^2 - 4T + 1)/(-T+1)^9$	21
4	3	$(T^4 - T^3 - T + 1)/(-T+1)^6$	5
4	3	$(T^8 - 5T^7 + 7T^6 + 4T^5 - 20T^4 + 19T^3 - 5T^2 - 2T + 1)/(-T+1)^9$	7
4	3	$(-T^{11} + 6T^{10} - 7T^9 - 39T^8 + 174T^7 - 336T^6 + 378T^5 - 258T^4 + 99T^3 - 14T^2 - 3T + 1)/(-T+1)^{12}$	4
4	3	$(2T^7 - 11T^6 + 24T^5 - 25T^4 + 10T^3 + 3T^2 - 4T + 1)/(-T+1)^{10}$	88
4	3	$(2T^5 - 7T^4 + 8T^3 - 2T^2 - 2T + 1)/(-T+1)^8$	246
4	3	$(-2T^4 + 5T^3 - 3T^2 - T + 1)/(-T+1)^7$	30
4	3	$(-2T^6 + 9T^5 - 15T^4 + 10T^3 - 3T + 1)/(-T+1)^9$	189
4	3	$(T^7 - 8T^6 + 24T^5 - 35T^4 + 25T^3 - 6T^2 - 2T + 1)/(-T+1)^9$	7

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Dimension	Degree	Hilbert Series	Count
4	4	$(T^8 - 6T^7 + 12T^6 - 6T^5 - 10T^4 + 14T^3 - 4T^2 - 2T + 1)/(-T+1)^9$	2
4	4	$(3T^5 - 11T^4 + 14T^3 - 6T^2 - T + 1)/(-T+1)^8$	2
4	4	$(-T^5 + T^4 + 2T^3 - 2T^2 - T + 1)/(-T+1)^7$	1
4	4	$(-3T^6 + 14T^5 - 25T^4 + 20T^3 - 5T^2 - 2T + 1)/(-T+1)^9$	47
4	5	$(T^8 - 7T^7 + 17T^6 - 16T^5 + 9T^3 - 3T^2 - 2T + 1)/(-T+1)^9$	6
4	5	$(T^6 - T^5 - 5T^4 + 10T^3 - 5T^2 - T + 1)/(-T+1)^8$	18
4	5	$(-T^7 + 2T^6 + 4T^5 - 15T^4 + 15T^3 - 4T^2 - 2T + 1)/(-T+1)^9$	3
4	6	$(5T^9 - 39T^8 + 132T^7 - 252T^6 + 294T^5 - 210T^4 + 84T^3 - 12T^2 - 3T + 1)/(-T+1)^{12}$	1
4	6	$(-T^7 + T^6 + 9T^5 - 25T^4 + 25T^3 - 9T^2 - T + 1)/(-T+1)^9$	15
4	6	$(T^{14} - 8T^{13} + 19T^{12} + 32T^{11} - 319T^{10} + 968T^9 - 1749T^8 + 2112T^7 - 1749T^6 + 968T^5 - 319T^4 + 32T^3 + 19T^2 - 8T + 1)/(-T+1)^{16}$	4
4	6	$(T^{10} - 4T^9 - 3T^8 + 48T^7 - 126T^6 + 168T^5 - 126T^4 + 48T^3 - 3T^2 - 4T + 1)/(-T+1)^{12}$	1
4	6	$(T^8 - 2T^7 - 8T^6 + 34T^5 - 50T^4 + 34T^3 - 8T^2 - 2T + 1)/(-T+1)^{10}$	16

6 N=7

6.1 E=7

Table 25: Quivers with 7 Vertices and 7 Edges

Dimension	Degree	Hilbert Series	Count
0	1	1	1

6.2 E=8

Table 26: Quivers with 7 Vertices and 8 Edges

Dimension	Degree	Hilbert Series	Count
0	1	$(T^2 - 2T + 1)/(-T + 1)^2$	8
1	1	$1/(-T + 1)$	5

6.3 E=9

Table 27: Quivers with 7 Vertices and 9 Edges

Dimension	Degree	Hilbert Series	Count
0	1	$(-T^3 + 3T^2 - 3T + 1)/(-T + 1)^3$	82
0	1	$(T^4 - 4T^3 + 6T^2 - 4T + 1)/(-T + 1)^4$	282
1	1	$(-T^3 + 3T^2 - 3T + 1)/(-T + 1)^4$	170
1	1	$(T^2 - 2T + 1)/(-T + 1)^3$	83
1	2	$(-T^4 + 2T^3 - 2T + 1)/(-T + 1)^4$	4
2	1	$(T^2 - 2T + 1)/(-T + 1)^4$	93
2	1	$(-T + 1)(-2)$	34
2	2	$(T^3 - T^2 - T + 1)/(-T + 1)^4$	14

6.4 E=10

Table 28: Quivers with 7 Vertices and 10 Edges

Dimension	Degree	Hilbert Series	Count
0	1	$(T^4 - 4T^3 + 6T^2 - 4T + 1)/(-T + 1)^4$	624
0	1	$(T^8 - 8T^7 + 28T^6 - 56T^5 + 70T^4 - 56T^3 + 28T^2 - 8T + 1)/(-T + 1)^8$	10945
0	1	$(-T^5 + 5T^4 - 10T^3 + 10T^2 - 5T + 1)/(-T + 1)^5$	1978
0	1	$(T^6 - 6T^5 + 15T^4 - 20T^3 + 15T^2 - 6T + 1)/(-T + 1)^6$	7832
0	2	$(-T^6 + 4T^5 - 5T^4 + 5T^2 - 4T + 1)/(-T + 1)^5$	112
1	1	$(-T^3 + 3T^2 - 3T + 1)/(-T + 1)^4$	388
1	1	$(-T^5 + 5T^4 - 10T^3 + 10T^2 - 5T + 1)/(-T + 1)^6$	4540
1	1	$(T^4 - 4T^3 + 6T^2 - 4T + 1)/(-T + 1)^5$	3212
1	1	$(-T^7 + 7T^6 - 21T^5 + 35T^4 - 35T^3 + 21T^2 - 7T + 1)/(-T + 1)^8$	6621
1	2	$(T^5 - 3T^4 + 2T^3 + 2T^2 - 3T + 1)/(-T + 1)^5$	156
1	2	$(-T^6 + 4T^5 - 5T^4 + 5T^2 - 4T + 1)/(-T + 1)^6$	276
1	2	$(-T^8 + 6T^7 - 14T^6 + 14T^5 - 14T^3 + 14T^2 - 6T + 1)/(-T + 1)^8$	1308
1	3	$(2T^5 - 7T^4 + 8T^3 - 2T^2 - 2T + 1)/(-T + 1)^5$	24
1	3	$(-2T^8 + 13T^7 - 35T^6 + 49T^5 - 35T^4 + 7T^3 + 7T^2 - 5T + 1)/(-T + 1)^8$	24
2	1	$(T^4 - 4T^3 + 6T^2 - 4T + 1)/(-T + 1)^6$	3222
2	1	$(T^5 - 4T^4 + 5T^3 - T^2 - 2T + 1)/(-T + 1)^5$	22
2	1	$(-T^6 + 5T^5 - 9T^4 + 6T^3 + T^2 - 3T + 1)/(-T + 1)^6$	64
2	1	$(T^6 - 6T^5 + 15T^4 - 20T^3 + 15T^2 - 6T + 1)/(-T + 1)^8$	1856
2	1	$(T^2 - 2T + 1)/(-T + 1)^4$	411
2	1	$(-T^8 + 7T^7 - 20T^6 + 29T^5 - 20T^4 + T^3 + 8T^2 - 5T + 1)/(-T + 1)^8$	395
2	1	$(-T^3 + 3T^2 - 3T + 1)/(-T + 1)^5$	1599
2	2	$(-T^4 + 2T^3 - 2T + 1)/(-T + 1)^5$	120
2	2	$(T^5 - 3T^4 + 2T^3 + 2T^2 - 3T + 1)/(-T + 1)^6$	591
		Continued on next page →	

Dimension	Degree	Hilbert Series	Count
2	2	$(-T^8 + 8T^7 - 26T^6 + 44T^5 - 40T^4 + 16T^3 + 2T^2 - 4T + 1)/(-T + 1)^8$	22
2	2	$(T^7 - 5T^6 + 9T^5 - 5T^4 - 5T^3 + 9T^2 - 5T + 1)/(-T + 1)^8$	1508
2	3	$(2T^7 - 11T^6 + 24T^5 - 25T^4 + 10T^3 + 3T^2 - 4T + 1)/(-T+1)^8$	358
2	3	$(-2T^4 + 5T^3 - 3T^2 - T + 1)/(-T + 1)^5$	5
2	4	$(3T^7 - 17T^6 + 39T^5 - 45T^4 + 25T^3 - 3T^2 - 3T + 1)/(-T+1)^8$	3
3	1	$(T^5 - 4T^4 + 5T^3 - T^2 - 2T + 1)/(-T + 1)^6$	168
3	1	$(-T^4 + 3T^3 - 2T^2 - T + 1)/(-T + 1)^5$	23
3	1	$(-T + 1)(-3)$	105
3	1	$(T^2 - 2T + 1)/(-T + 1)^5$	735
3	1	$(-T^3 + 3T^2 - 3T + 1)/(-T + 1)^6$	360
3	2	$(-T^6 + 4T^5 - 5T^4 + 5T^2 - 4T + 1)/(-T + 1)^8$	446
3	2	$(-T^4 + 2T^3 - 2T + 1)/(-T + 1)^6$	150
3	2	$(T^7 - 7T^6 + 19T^5 - 25T^4 + 15T^3 - T^2 - 3T + 1)/(-T + 1)^8$	192
3	2	$(T^3 - T^2 - T + 1)/(-T + 1)^5$	147
3	3	$(-2T^4 + 5T^3 - 3T^2 - T + 1)/(-T + 1)^6$	18
3	3	$(T^4 - T^3 - T + 1)/(-T + 1)^5$	2
3	4	$(-3T^6 + 14T^5 - 25T^4 + 20T^3 - 5T^2 - 2T + 1)/(-T + 1)^8$	50

7 <u>N=8</u>

7.1 E=8

Table 29: Quivers with 8 Vertices and 8 Edges

Dimension	Degree	Hilbert Series	Count
0	1	1	1

7.2 E=9

Table 30: Quivers with 8 Vertices and 9 Edges

Dimension	Degree	Hilbert Series	Count
0	1	$(T^2 - 2T + 1)/(-T + 1)^2$	8
1	1	$1/(-T + 1)$	5

7.3 E=10

Table 31: Quivers with 8 Vertices and 10 Edges

Dimension	Degree	Hilbert Series	Count
0	1	$(T^4 - 4T^3 + 6T^2 - 4T + 1)/(-T + 1)^4$	379
0	1	$(-T^3 + 3T^2 - 3T + 1)/(-T + 1)^3$	134
1	1	$(T^2 - 2T + 1)/(-T + 1)^3$	137
1	1	$(-T^3 + 3T^2 - 3T + 1)/(-T + 1)^4$	281
1	2	$(-T^4 + 2T^3 - 2T + 1)/(-T + 1)^4$	12
2	1	$(-T + 1)(-2)$	61
2	1	$(T^2 - 2T + 1)/(-T + 1)^4$	140
2	2	$(T^3 - T^2 - T + 1)/(-T + 1)^4$	27

7.4   E=11

Table 32: Quivers with 8 Vertices and 11 Edges

Dimension	Degree	Hilbert Series	Count
0	1	$(-T^5 + 5T^4 - 10T^3 + 10T^2 - 5T + 1)/(-T + 1)^5$	4128
0	1	$(T^6 - 6T^5 + 15T^4 - 20T^3 + 15T^2 - 6T + 1)/(-T + 1)^6$	13334
0	1	$(T^8 - 8T^7 + 28T^6 - 56T^5 + 70T^4 - 56T^3 + 28T^2 - 8T + 1)/(-T + 1)^8$	14984
0	1	$(T^4 - 4T^3 + 6T^2 - 4T + 1)/(-T + 1)^4$	1212
0	2	$(-T^6 + 4T^5 - 5T^4 + 5T^2 - 4T + 1)/(-T + 1)^5$	272
1	1	$(T^4 - 4T^3 + 6T^2 - 4T + 1)/(-T + 1)^5$	6443
1	1	$(-T^5 + 5T^4 - 10T^3 + 10T^2 - 5T + 1)/(-T + 1)^6$	8150
1	1	$(-T^7 + 7T^6 - 21T^5 + 35T^4 - 35T^3 + 21T^2 - 7T + 1)/(-T + 1)^8$	9627
1	1	$(-T^3 + 3T^2 - 3T + 1)/(-T + 1)^4$	1030
1	2	$(-T^8 + 6T^7 - 14T^6 + 14T^5 - 14T^3 + 14T^2 - 6T + 1)/(-T + 1)^8$	2561
1	2	$(-T^6 + 4T^5 - 5T^4 + 5T^2 - 4T + 1)/(-T + 1)^6$	624
1	2	$(T^5 - 3T^4 + 2T^3 + 2T^2 - 3T + 1)/(-T + 1)^5$	296
1	3	$(2T^5 - 7T^4 + 8T^3 - 2T^2 - 2T + 1)/(-T + 1)^5$	34
1	3	$(-2T^8 + 13T^7 - 35T^6 + 49T^5 - 35T^4 + 7T^3 + 7T^2 - 5T + 1)/(-T + 1)^8$	73
2	1	$(T^4 - 4T^3 + 6T^2 - 4T + 1)/(-T + 1)^6$	5573
2	1	$(T^6 - 6T^5 + 15T^4 - 20T^3 + 15T^2 - 6T + 1)/(-T + 1)^8$	3282
2	1	$(T^2 - 2T + 1)/(-T + 1)^4$	882
2	1	$(-T^8 + 7T^7 - 20T^6 + 29T^5 - 20T^4 + T^3 + 8T^2 - 5T + 1)/(-T + 1)^8$	820
2	1	$(-T^6 + 5T^5 - 9T^4 + 6T^3 + T^2 - 3T + 1)/(-T + 1)^6$	176
2	1	$(-T^3 + 3T^2 - 3T + 1)/(-T + 1)^5$	3518
2	1	$(T^5 - 4T^4 + 5T^3 - T^2 - 2T + 1)/(-T + 1)^5$	44
2	2	$(T^7 - 5T^6 + 9T^5 - 5T^4 - 5T^3 + 9T^2 - 5T + 1)/(-T + 1)^8$	2099
2	2	$(-T^8 + 8T^7 - 26T^6 + 44T^5 - 40T^4 + 16T^3 + 2T^2 - 4T + 1)/(-T + 1)^8$	88
		Continued on next page →	

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Dimension	Degree	Hilbert Series	Count
2	2	$(T^5 - 3T^4 + 2T^3 + 2T^2 - 3T + 1)/(-T + 1)^6$	940
2	2	$(-T^4 + 2T^3 - 2T + 1)/(-T + 1)^5$	292
2	3	$(-2T^4 + 5T^3 - 3T^2 - T + 1)/(-T + 1)^5$	7
2	3	$(2T^7 - 11T^6 + 24T^5 - 25T^4 + 10T^3 + 3T^2 - 4T + 1)/(-T + 1)^8$	626
2	4	$(3T^7 - 17T^6 + 39T^5 - 45T^4 + 25T^3 - 3T^2 - 3T + 1)/(-T + 1)^8$	20
3	1	$(T^5 - 4T^4 + 5T^3 - T^2 - 2T + 1)/(-T + 1)^6$	332
3	1	$(-T + 1)(-3)$	267
3	1	$(-T^3 + 3T^2 - 3T + 1)/(-T + 1)^6$	705
3	1	$(-T^4 + 3T^3 - 2T^2 - T + 1)/(-T + 1)^5$	35
3	1	$(T^2 - 2T + 1)/(-T + 1)^5$	1462
3	2	$(T^3 - T^2 - T + 1)/(-T + 1)^5$	330
3	2	$(T^7 - 7T^6 + 19T^5 - 25T^4 + 15T^3 - T^2 - 3T + 1)/(-T + 1)^8$	289
3	2	$(-T^4 + 2T^3 - 2T + 1)/(-T + 1)^6$	244
3	2	$(-T^6 + 4T^5 - 5T^4 + 5T^2 - 4T + 1)/(-T + 1)^8$	689
3	3	$(-2T^4 + 5T^3 - 3T^2 - T + 1)/(-T + 1)^6$	42
3	3	$(T^4 - T^3 - T + 1)/(-T + 1)^5$	7
3	4	$(-3T^6 + 14T^5 - 25T^4 + 20T^3 - 5T^2 - 2T + 1)/(-T + 1)^8$	70

8   N=9

8.1   E=9

Table 33: Quivers with 9 Vertices and 9 Edges

Dimension	Degree	Hilbert Series	Count
0	1	1	1

8.2   E=10

Table 34: Quivers with 9 Vertices and 10 Edges

Dimension	Degree	Hilbert Series	Count
0	1	$(T^2 - 2T + 1)/(-T + 1)^2$	10
1	1	$1/(-T + 1)$	7

8.3   E=11

Table 35: Quivers with 9 Vertices and 11 Edges

Dimension	Degree	Hilbert Series	Count
0	1	$(-T^3 + 3T^2 - 3T + 1)/(-T + 1)^3$	201
0	1	$(T^4 - 4T^3 + 6T^2 - 4T + 1)/(-T + 1)^4$	435
1	1	$(-T^3 + 3T^2 - 3T + 1)/(-T + 1)^4$	349
1	1	$(T^2 - 2T + 1)/(-T + 1)^3$	206
1	2	$(-T^4 + 2T^3 - 2T + 1)/(-T + 1)^4$	16
2	1	$(T^2 - 2T + 1)/(-T + 1)^4$	179
2	1	$(-T + 1)(-2)$	92
2	2	$(T^3 - T^2 - T + 1)/(-T + 1)^4$	37

8.4   E=12

Table 36: Quivers with 9 Vertices and 12 Edges

Dimension	Degree	Hilbert Series	Count
0	1	$(T^4 - 4T^3 + 6T^2 - 4T + 1)/(-T+1)^4$	2432
0	1	$(T^8 - 8T^7 + 28T^6 - 56T^5 + 70T^4 - 56T^3 + 28T^2 - 8T + 1)/(-T+1)^8$	19812
0	1	$(-T^5 + 5T^4 - 10T^3 + 10T^2 - 5T + 1)/(-T+1)^5$	7626
0	1	$(T^6 - 6T^5 + 15T^4 - 20T^3 + 15T^2 - 6T + 1)/(-T+1)^6$	21214
0	2	$(-T^6 + 4T^5 - 5T^4 + 5T^2 - 4T + 1)/(-T+1)^5$	672
1	1	$(-T^7 + 7T^6 - 21T^5 + 35T^4 - 35T^3 + 21T^2 - 7T + 1)/(-T+1)^8$	14259
1	1	$(-T^5 + 5T^4 - 10T^3 + 10T^2 - 5T + 1)/(-T+1)^6$	13612
1	1	$(-T^3 + 3T^2 - 3T + 1)/(-T+1)^4$	2332
1	1	$(T^4 - 4T^3 + 6T^2 - 4T + 1)/(-T+1)^5$	12171
1	2	$(-T^6 + 4T^5 - 5T^4 + 5T^2 - 4T + 1)/(-T+1)^6$	1206
1	2	$(T^5 - 3T^4 + 2T^3 + 2T^2 - 3T + 1)/(-T+1)^5$	604
1	2	$(-T^8 + 6T^7 - 14T^6 + 14T^5 - 14T^3 + 14T^2 - 6T + 1)/(-T+1)^8$	4265
1	3	$(-2T^8 + 13T^7 - 35T^6 + 49T^5 - 35T^4 + 7T^3 + 7T^2 - 5T + 1)/(-T+1)^8$	304
1	3	$(2T^5 - 7T^4 + 8T^3 - 2T^2 - 2T + 1)/(-T+1)^5$	52
1	4	$(-3T^8 + 20T^7 - 56T^6 + 84T^5 - 70T^4 + 28T^3 - 4T + 1)/(-T+1)^8$	8
2	1	$(T^5 - 4T^4 + 5T^3 - T^2 - 2T + 1)/(-T+1)^5$	90
2	1	$(T^4 - 4T^3 + 6T^2 - 4T + 1)/(-T+1)^6$	9065
2	1	$(T^6 - 6T^5 + 15T^4 - 20T^3 + 15T^2 - 6T + 1)/(-T+1)^8$	5274
2	1	$(-T^3 + 3T^2 - 3T + 1)/(-T+1)^5$	7056
2	1	$(T^2 - 2T + 1)/(-T+1)^4$	1825
2	1	$(-T^6 + 5T^5 - 9T^4 + 6T^3 + T^2 - 3T + 1)/(-T+1)^6$	384
2	1	$(-T^8 + 7T^7 - 20T^6 + 29T^5 - 20T^4 + T^3 + 8T^2 - 5T + 1)/(-T+1)^8$	1549
2	2	$(T^7 - 5T^6 + 9T^5 - 5T^4 - 5T^3 + 9T^2 - 5T + 1)/(-T+1)^8$	3190
2	2	$(-T^4 + 2T^3 - 2T + 1)/(-T+1)^5$	698

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Dimension	Degree	Hilbert Series	Count
2	2	$(T^5 - 3T^4 + 2T^3 + 2T^2 - 3T + 1)/(-T + 1)^6$	1426
2	2	$(-T^8 + 8T^7 - 26T^6 + 44T^5 - 40T^4 + 16T^3 + 2T^2 - 4T + 1)/(-T + 1)^8$	249
2	3	$(2T^7 - 11T^6 + 24T^5 - 25T^4 + 10T^3 + 3T^2 - 4T + 1)/(-T+1)^8$	1116
2	3	$(-T^5 + 2T^4 - T^3 + T^2 - 2T + 1)/(-T + 1)^5$	2
2	3	$(-T^8 + 9T^7 - 32T^6 + 59T^5 - 60T^4 + 31T^3 - 4T^2 - 3T + 1)/(-T + 1)^8$	5
2	3	$(-2T^4 + 5T^3 - 3T^2 - T + 1)/(-T + 1)^5$	10
2	4	$(3T^7 - 17T^6 + 39T^5 - 45T^4 + 25T^3 - 3T^2 - 3T + 1)/(-T + 1)^8$	53
2	6	$(T^8 - 2T^7 - 8T^6 + 34T^5 - 50T^4 + 34T^3 - 8T^2 - 2T + 1)/(-T+1)^8$	1
3	1	$(-T^3 + 3T^2 - 3T + 1)/(-T + 1)^6$	1249
3	1	$(T^2 - 2T + 1)/(-T + 1)^5$	2777
3	1	$(-T^4 + 3T^3 - 2T^2 - T + 1)/(-T + 1)^5$	59
3	1	$(-T + 1)(-3)$	599
3	1	$(T^5 - 4T^4 + 5T^3 - T^2 - 2T + 1)/(-T + 1)^6$	592
3	2	$(2T^7 - 13T^6 + 34T^5 - 45T^4 + 30T^3 - 7T^2 - 2T + 1)/(-T+1)^8$	3
3	2	$(T^3 - T^2 - T + 1)/(-T + 1)^5$	689
3	2	$(-T^6 + 4T^5 - 5T^4 + 5T^2 - 4T + 1)/(-T + 1)^8$	1008
3	2	$(-T^4 + 2T^3 - 2T + 1)/(-T + 1)^6$	376
3	2	$(T^7 - 7T^6 + 19T^5 - 25T^4 + 15T^3 - T^2 - 3T + 1)/(-T + 1)^8$	517
3	3	$(-2T^4 + 5T^3 - 3T^2 - T + 1)/(-T + 1)^6$	83
3	3	$(T^4 - T^3 - T + 1)/(-T + 1)^5$	21
3	4	$(-3T^6 + 14T^5 - 25T^4 + 20T^3 - 5T^2 - 2T + 1)/(-T + 1)^8$	110
3	6	$(-T^7 + T^6 + 9T^5 - 25T^4 + 25T^3 - 9T^2 - T + 1)/(-T + 1)^8$	5

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9   N=10

9.1   E=10

Table 37: Quivers with 10 Vertices and 10 Edges

Dimension	Degree	Hilbert Series	Count
0	1	1	1

9.2   E=11

Table 38: Quivers with 10 Vertices and 11 Edges

Dimension	Degree	Hilbert Series	Count
0	1	$(T^2 - 2T + 1)/(-T + 1)^2$	10
1	1	$1/(-T + 1)$	7

9.3   E=12

Table 39: Quivers with 10 Vertices and 12 Edges

Dimension	Degree	Hilbert Series	Count
0	1	$(-T^3 + 3T^2 - 3T + 1)/(-T + 1)^3$	294
0	1	$(T^4 - 4T^3 + 6T^2 - 4T + 1)/(-T + 1)^4$	542
1	1	$(-T^3 + 3T^2 - 3T + 1)/(-T + 1)^4$	506
1	1	$(T^2 - 2T + 1)/(-T + 1)^3$	308
1	2	$(-T^4 + 2T^3 - 2T + 1)/(-T + 1)^4$	32
2	1	$(T^2 - 2T + 1)/(-T + 1)^4$	249
2	1	$(-T + 1)(-2)$	142
2	2	$(T^3 - T^2 - T + 1)/(-T + 1)^4$	60

9.4 E=13

Table 40: Quivers with 10 Vertices and 13 Edges

Dimension	Degree	Hilbert Series	Count
0	1	$(T^4 - 4T^3 + 6T^2 - 4T + 1)/(-T + 1)^4$	4204
0	1	$(T^6 - 6T^5 + 15T^4 - 20T^3 + 15T^2 - 6T + 1)/(-T + 1)^6$	17839
0	1	$(-T^5 + 5T^4 - 10T^3 + 10T^2 - 5T + 1)/(-T + 1)^5$	12818
0	1	$(T^8 - 8T^7 + 28T^6 - 56T^5 + 70T^4 - 56T^3 + 28T^2 - 8T + 1)/(-T + 1)^8$	10171
0	2	$(-T^6 + 4T^5 - 5T^4 + 5T^2 - 4T + 1)/(-T + 1)^5$	1216
1	1	$(-T^3 + 3T^2 - 3T + 1)/(-T + 1)^4$	4514
1	1	$(-T^5 + 5T^4 - 10T^3 + 10T^2 - 5T + 1)/(-T + 1)^6$	12785
1	1	$(-T^7 + 7T^6 - 21T^5 + 35T^4 - 35T^3 + 21T^2 - 7T + 1)/(-T + 1)^8$	7747
1	1	$(T^4 - 4T^3 + 6T^2 - 4T + 1)/(-T + 1)^5$	20775
1	2	$(-T^6 + 4T^5 - 5T^4 + 5T^2 - 4T + 1)/(-T + 1)^6$	1095
1	2	$(T^5 - 3T^4 + 2T^3 + 2T^2 - 3T + 1)/(-T + 1)^5$	1036
1	2	$(-T^8 + 6T^7 - 14T^6 + 14T^5 - 14T^3 + 14T^2 - 6T + 1)/(-T + 1)^8$	2726
1	3	$(2T^5 - 7T^4 + 8T^3 - 2T^2 - 2T + 1)/(-T + 1)^5$	66
1	3	$(-2T^8 + 13T^7 - 35T^6 + 49T^5 - 35T^4 + 7T^3 + 7T^2 - 5T + 1)/(-T + 1)^8$	200
1	4	$(-3T^8 + 20T^7 - 56T^6 + 84T^5 - 70T^4 + 28T^3 - 4T + 1)/(-T + 1)^8$	7
2	1	$(T^6 - 6T^5 + 15T^4 - 20T^3 + 15T^2 - 6T + 1)/(-T + 1)^8$	3180
2	1	$(-T^6 + 5T^5 - 9T^4 + 6T^3 + T^2 - 3T + 1)/(-T + 1)^6$	387
2	1	$(-T^3 + 3T^2 - 3T + 1)/(-T + 1)^5$	12640
2	1	$(T^2 - 2T + 1)/(-T + 1)^4$	3314
2	1	$(T^4 - 4T^3 + 6T^2 - 4T + 1)/(-T + 1)^6$	8283
2	1	$(-T^8 + 7T^7 - 20T^6 + 29T^5 - 20T^4 + T^3 + 8T^2 - 5T + 1)/(-T + 1)^8$	1084
2	1	$(T^5 - 4T^4 + 5T^3 - T^2 - 2T + 1)/(-T + 1)^5$	146
2	2	$(-T^8 + 8T^7 - 26T^6 + 44T^5 - 40T^4 + 16T^3 + 2T^2 - 4T + 1)/(-T + 1)^8$	194
		Continued on next page $\rightarrow$	

Dimension	Degree	Hilbert Series	Count
2	2	$(T^7 - 5T^6 + 9T^5 - 5T^4 - 5T^3 + 9T^2 - 5T + 1)/(-T+1)^8$	1824
2	2	$(-T^4 + 2T^3 - 2T + 1)/(-T+1)^5$	1382
2	2	$(T^5 - 3T^4 + 2T^3 + 2T^2 - 3T + 1)/(-T+1)^6$	1351
2	3	$(-2T^4 + 5T^3 - 3T^2 - T + 1)/(-T+1)^5$	12
2	3	$(2T^7 - 11T^6 + 24T^5 - 25T^4 + 10T^3 + 3T^2 - 4T + 1)/(-T+1)^8$	643
2	3	$(-T^8 + 9T^7 - 32T^6 + 59T^5 - 60T^4 + 31T^3 - 4T^2 - 3T + 1)/(-T+1)^8$	2
2	3	$(-T^5 + 2T^4 - T^3 + T^2 - 2T + 1)/(-T+1)^5$	2
2	4	$(3T^7 - 17T^6 + 39T^5 - 45T^4 + 25T^3 - 3T^2 - 3T + 1)/(-T+1)^8$	39
2	6	$(T^8 - 2T^7 - 8T^6 + 34T^5 - 50T^4 + 34T^3 - 8T^2 - 2T + 1)/(-T+1)^8$	1
3	1	$(-T+1)(-3)$	1145
3	1	$(-T^4 + 3T^3 - 2T^2 - T + 1)/(-T+1)^5$	84
3	1	$(T^2 - 2T + 1)/(-T+1)^5$	4699
3	1	$(T^5 - 4T^4 + 5T^3 - T^2 - 2T + 1)/(-T+1)^6$	587
3	1	$(-T^3 + 3T^2 - 3T + 1)/(-T+1)^6$	1235
3	2	$(2T^7 - 13T^6 + 34T^5 - 45T^4 + 30T^3 - 7T^2 - 2T + 1)/(-T+1)^8$	3
3	2	$(-T^6 + 4T^5 - 5T^4 + 5T^2 - 4T + 1)/(-T+1)^8$	621
3	2	$(T^7 - 7T^6 + 19T^5 - 25T^4 + 15T^3 - T^2 - 3T + 1)/(-T+1)^8$	279
3	2	$(-T^4 + 2T^3 - 2T + 1)/(-T+1)^6$	347
3	2	$(T^3 - T^2 - T + 1)/(-T+1)^5$	1259
3	3	$(-2T^4 + 5T^3 - 3T^2 - T + 1)/(-T+1)^6$	91
3	3	$(T^4 - T^3 - T + 1)/(-T+1)^5$	42
3	4	$(-3T^6 + 14T^5 - 25T^4 + 20T^3 - 5T^2 - 2T + 1)/(-T+1)^8$	72
3	6	$(-T^7 + T^6 + 9T^5 - 25T^4 + 25T^3 - 9T^2 - T + 1)/(-T+1)^8$	7