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	1	1

1.2 E=4

Table 2: Quivers with 2 Vertices and 4 Edges

Dimension	Degree	Hilbert Series	Count
0	1	1	16
1	1	$-1/(T-1)$	10

1.3 E=5

Table 3: Quivers with 2 Vertices and 5 Edges

Dimension	Degree	Hilbert Series	Count
0	1	1	782
2	2	$(T+1)/(T-1)^2$	123
1	1	$-1/(T-1)$	86
2	3	$(2T+1)/(T-1)^2$	36
2	1	$(T-1)^{-2}$	13

1.4 E=6

Table 4: Quivers with 2 Vertices and 6 Edges

Dimension	Degree	Hilbert Series	Count
0	1	1	1074
1	2	$(-T-1)/(T-1)$	564
1	3	$(-2T-1)/(T-1)$	281
1	1	$-1/(T-1)$	272
1	4	$(-3T-1)/(T-1)$	115
2	1	$(T-1)^{-2}$	64
2	2	$(T+1)/(T-1)^2$	62
3	6	$(-T^2-4T-1)/(T-1)^3$	31
1	5	$(-4T-1)/(T-1)$	23
3	10	$(-2T^2-7T-1)/(T-1)^3$	4
1	6	$(-5T-1)/(T-1)$	4
3	6	$(-5T-1)/(T-1)^3$	3
2	4	$(3T+1)/(T-1)^2$	2
3	4	$(-3T-1)/(T-1)^3$	1

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	1	4

2.3 E=5

Table 7: Quivers with 3 Vertices and 5 Edges

Dimension	Degree	Hilbert Series	Count
0	1	1	62
1	1	$-1/(T-1)$	21
2	1	$(T-1)^{-2}$	6

2.4 E=6

Table 8: Quivers with 3 Vertices and 6 Edges

Dimension	Degree	Hilbert Series	Count
0	1	1	2256
1	1	$-1/(T-1)$	840
2	2	$(T+1)/(T-1)^2$	339
2	1	$(T-1)^{-2}$	73
3	2	$(-T-1)/(T-1)^3$	73
2	3	$(2T+1)/(T-1)^2$	60
3	2	$(T^2-2T-1)/(T-1)^3$	34
1	2	$(-T-1)/(T-1)$	16
1	3	$(-2T-1)/(T-1)$	2

2.5 E=7

Table 9: Quivers with 3 Vertices and 7 Edges

Dimension	Degree	Hilbert Series	Count
0	1	1	3507
1	1	$-1/(T-1)$	2087
1	2	$(-T-1)/(T-1)$	919
2	1	$(T-1)^{-2}$	686
2	2	$(T+1)/(T-1)^2$	397
3	2	$(-T-1)/(T-1)^3$	301
1	3	$(-2T-1)/(T-1)$	247
3	3	$(-2T-1)/(T-1)^3$	115
2	2	$(-T^2+2T+1)/(T-1)^2$	106
3	2	$(T^2-2T-1)/(T-1)^3$	84
2	3	$(2T+1)/(T-1)^2$	73
2	1	$(-T^2+T+1)/(T-1)^2$	71
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Dimension	Degree	Hilbert Series	Count
2	2	$(-2T^2+3T+1)/(T-1)^2$	51
1	4	$(-3T-1)/(T-1)$	50
2	1	$(-2T^2+2T+1)/(T-1)^2$	49
3	1	$-1/(T-1)^3$	45
2	3	$(-T^2+3T+1)/(T-1)^2$	28
3	4	$-(T+1)^2/(T-1)^3$	24
3	4	$(-3T-1)/(T-1)^3$	23
3	3	$(-T^2-T-1)/(T-1)^3$	18
3	6	$(-T^2-4T-1)/(T-1)^3$	14
4	3	$(2T+1)/(T-1)^4$	13
3	5	$(-4T-1)/(T-1)^3$	9
1	5	$(-4T-1)/(T-1)$	9
3	3	$(T^2-3T-1)/(T-1)^3$	8
3	6	$(-T-1)(2T+1)/(T-1)^3$	8
2	4	$(-T^2+4T+1)/(T-1)^2$	6
3	8	$(-T-1)(3T+1)/(T-1)^3$	6
3	1	$(T^2-T-1)/(T-1)^3$	5
2	4	$(3T+1)/(T-1)^2$	5
3	6	$(-5T-1)/(T-1)^3$	5
3	7	$(-T^2-5T-1)/(T-1)^3$	3
3	8	$(-T^2-6T-1)/(T-1)^3$	3
2	3	$(-2T^2+4T+1)/(T-1)^2$	3
4	6	$(T^2+4T+1)/(T-1)^4$	2
4	6	$(-T^2+6T+1)/(T-1)^4$	1
2	3	$(-3T^2+5T+1)/(T-1)^2$	1
2	2	$(-3T^2+4T+1)/(T-1)^2$	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	1	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	1	123
1	1	$-1/(T-1)$	52
2	1	$(T-1)^{-2}$	24
2	2	$(T+1)/(T-1)^2$	3

3.4 E=7

Table 13: Quivers with 4 Vertices and 7 Edges

Dimension	Degree	Hilbert Series	Count
0	1	1	3702
1	1	$-1/(T-1)$	1879
2	2	$(T+1)/(T-1)^2$	475
2	1	$(T-1)^{-2}$	434
3	2	$(-T-1)/(T-1)^3$	140
1	2	$(-T-1)/(T-1)$	99
2	3	$(2T+1)/(T-1)^2$	75
3	2	$(T^2-2T-1)/(T-1)^3$	47
3	1	$-1/(T-1)^3$	26
3	1	$(T^2-T-1)/(T-1)^3$	5
3	4	$(-3T-1)/(T-1)^3$	3
1	3	$(-2T-1)/(T-1)$	2

3.5 E=8

Table 14: Quivers with 4 Vertices and 8 Edges

Dimension	Degree	Hilbert Series	Count
0	1	1	11436
1	1	$-1/(T-1)$	8327
2	1	$(T-1)^{-2}$	5269
1	2	$(-T-1)/(T-1)$	2842
2	2	$(T+1)/(T-1)^2$	2264
3	2	$(-T-1)/(T-1)^3$	1366
3	1	$-1/(T-1)^3$	666
1	3	$(-2T-1)/(T-1)$	576
3	3	$(-2T-1)/(T-1)^3$	484
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Dimension	Degree	Hilbert Series	Count
2	3	$(2T+1)/(T-1)^2$	396
2	2	$(-T^2+2T+1)/(T-1)^2$	317
2	1	$(-T^2+T+1)/(T-1)^2$	281
3	2	$(T^2-2T-1)/(T-1)^3$	244
4	2	$(T+1)/(T-1)^4$	178
1	4	$(-3T-1)/(T-1)$	114
4	3	$(2T+1)/(T-1)^4$	103
4	1	$(T-1)^{-4}$	98
3	4	$-(T+1)^2/(T-1)^3$	75
2	2	$(-2T^2+3T+1)/(T-1)^2$	73
4	2	$(-T^2+2T+1)/(T-1)^4$	70
3	4	$(-3T-1)/(T-1)^3$	66
2	3	$(-T^2+3T+1)/(T-1)^2$	63
2	1	$(-2T^2+2T+1)/(T-1)^2$	54
4	1	$(-T^2+T+1)/(T-1)^4$	49
3	1	$(T^2-T-1)/(T-1)^3$	33
3	3	$(T^2-3T-1)/(T-1)^3$	32
3	3	$(-T^2-T-1)/(T-1)^3$	32
2	4	$(3T+1)/(T-1)^2$	31
3	5	$(-4T-1)/(T-1)^3$	29
0	2	$T+1$	27
3	6	$(-T^2-4T-1)/(T-1)^3$	22
3	6	$(-T-1)(2T+1)/(T-1)^3$	18
1	5	$(-4T-1)/(T-1)$	16
2	3	$(-2T^2+4T+1)/(T-1)^2$	13
2	4	$(-T^2+4T+1)/(T-1)^2$	13
4	6	$(T^2+4T+1)/(T-1)^4$	12
4	3	$(-T^2+3T+1)/(T-1)^4$	10
3	8	$(-T-1)(3T+1)/(T-1)^3$	8

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Dimension	Degree	Hilbert Series	Count
2	5	$(4T+1)/(T-1)^2$	8
4	2	$(-T-1)(T^2-T-1)/(T-1)^4$	8
3	6	$(-5T-1)/(T-1)^3$	7
3	7	$(-T^2-5T-1)/(T-1)^3$	7
2	2	$(-3T^2+4T+1)/(T-1)^2$	6
4	2	$(T^3-2T^2+2T+1)/(T-1)^4$	5
3	2	$(2T^2-3T-1)/(T-1)^3$	5
2	1	$(T^3-3T^2+2T+1)/(T-1)^2$	5
3	5	$(-T^2-3T-1)/(T-1)^3$	3
4	3	$(-2T-1)(T^2-T-1)/(T-1)^4$	3
3	10	$(-2T^2-7T-1)/(T-1)^3$	3
3	6	$(-3T^2-2T-1)/(T-1)^3$	2
4	3	$(-2T^2+4T+1)/(T-1)^4$	2
4	2	$(-T-1)(2T^2-2T-1)/(T-1)^4$	2
2	6	$(3T^2+2T+1)/(T-1)^2$	2
3	2	$(-T^3+2T^2-2T-1)/(T-1)^3$	2
4	2	$(-2T^2+3T+1)/(T-1)^4$	2
3	2	$(-T^3+3T^2-3T-1)/(T-1)^3$	2
3	2	$(-T^3+4T^2-4T-1)/(T-1)^3$	1
2	5	$(-T^2+5T+1)/(T-1)^2$	1
2	3	$(-3T^2+5T+1)/(T-1)^2$	1
4	6	$(5T+1)/(T-1)^4$	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	1	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	1	179
1	1	$-1/(T-1)$	88
2	1	$(T-1)^{-2}$	45
2	2	$(T+1)/(T-1)^2$	3

4.4 E=8

Table 18: Quivers with 5 Vertices and 8 Edges

Dimension	Degree	Hilbert Series	Count
0	1	1	7157
1	1	$-1/(T-1)$	4102
2	1	$(T-1)^{-2}$	1413
2	2	$(T+1)/(T-1)^2$	811
1	2	$(-T-1)/(T-1)$	326
3	2	$(-T-1)/(T-1)^3$	241
3	1	$-1/(T-1)^3$	163
2	3	$(2T+1)/(T-1)^2$	147
3	2	$(T^2-2T-1)/(T-1)^3$	75
2	1	$(-T^2+T+1)/(T-1)^2$	33
3	1	$(T^2-T-1)/(T-1)^3$	31
3	4	$(-3T-1)/(T-1)^3$	13
1	3	$(-2T-1)/(T-1)$	8
3	3	$(-2T-1)/(T-1)^3$	1

4.5 E=9

Table 19: Quivers with 5 Vertices and 9 Edges

Dimension	Degree	Hilbert Series	Count
0	1	1	29565
1	1	$-1/(T-1)$	28454
2	1	$(T-1)^{-2}$	19734
2	2	$(T+1)/(T-1)^2$	6974
1	2	$(-T-1)/(T-1)$	5827
3	2	$(-T-1)/(T-1)^3$	3945
3	1	$-1/(T-1)^3$	3069
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Dimension	Degree	Hilbert Series	Count
2	1	$(-T^2+T+1)/(T-1)^2$	1133
1	3	$(-2T-1)/(T-1)$	1120
3	3	$(-2T-1)/(T-1)^3$	1049
2	3	$(2T+1)/(T-1)^2$	933
2	2	$(-T^2+2T+1)/(T-1)^2$	845
4	2	$(T+1)/(T-1)^4$	690
4	1	$(T-1)^{-4}$	570
3	2	$(T^2-2T-1)/(T-1)^3$	530
4	3	$(2T+1)/(T-1)^4$	237
4	2	$(-T^2+2T+1)/(T-1)^4$	231
4	1	$(-T^2+T+1)/(T-1)^4$	207
3	1	$(T^2-T-1)/(T-1)^3$	198
1	4	$(-3T-1)/(T-1)$	176
3	4	$-(T+1)^2/(T-1)^3$	163
2	1	$(-2T^2+2T+1)/(T-1)^2$	155
0	2	$T+1$	154
3	3	$(-T^2-T-1)/(T-1)^3$	152
2	2	$(-2T^2+3T+1)/(T-1)^2$	143
3	4	$(-3T-1)/(T-1)^3$	130
2	3	$(-T^2+3T+1)/(T-1)^2$	121
2	4	$(3T+1)/(T-1)^2$	90
0	3	$2T+1$	70
3	3	$(T^2-3T-1)/(T-1)^3$	59
1	2	$(T^2-2T-1)/(T-1)$	54
3	5	$(-4T-1)/(T-1)^3$	45
3	6	$(-T-1)(2T+1)/(T-1)^3$	39
3	1	$(-T^3+2T^2-T-1)/(T-1)^3$	38
1	1	$(T^2-T-1)/(T-1)$	34
3	6	$(-T^2-4T-1)/(T-1)^3$	31

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Dimension	Degree	Hilbert Series	Count
2	4	$(-T^2+4T+1)/(T-1)^2$	27
1	5	$(-4T-1)/(T-1)$	26
3	2	$(-T^3+2T^2-2T-1)/(T-1)^3$	24
2	1	$(T^3-3T^2+2T+1)/(T-1)^2$	23
4	2	$(-T-1)(T^2-T-1)/(T-1)^4$	21
4	6	$(T^2+4T+1)/(T-1)^4$	20
4	3	$(-T^2+3T+1)/(T-1)^4$	20
2	3	$(-2T^2+4T+1)/(T-1)^2$	14
2	5	$(4T+1)/(T-1)^2$	14
3	2	$(-T^3+3T^2-3T-1)/(T-1)^3$	12
3	2	$(2T^2-3T-1)/(T-1)^3$	10
2	2	$(-3T^2+4T+1)/(T-1)^2$	10
3	5	$(-T^2-3T-1)/(T-1)^3$	9
3	7	$(-T^2-5T-1)/(T-1)^3$	9
3	8	$(-T-1)(3T+1)/(T-1)^3$	9
2	6	$(5T+1)/(T-1)^2$	8
3	6	$(-5T-1)/(T-1)^3$	7
2	5	$(-T^2+5T+1)/(T-1)^2$	7
4	4	$(3T+1)/(T-1)^4$	7
2	2	$(T^4-2T^3+2T+1)/(T-1)^2$	7
4	2	$(-T-1)(2T^2-2T-1)/(T-1)^4$	6
4	1	$(-T^3+T+1)/(T-1)^4$	6
4	2	$(T^3-2T^2+2T+1)/(T-1)^4$	6
3	1	$(-T^3+3T^2-2T-1)/(T-1)^3$	5
4	3	$(-2T-1)(T^2-T-1)/(T-1)^4$	5
4	2	$(-2T^2+3T+1)/(T-1)^4$	5
2	3	$(T^2+T+1)/(T-1)^2$	4
4	5	$(T^2+3T+1)/(T-1)^4$	3
2	3	$(-3T^2+5T+1)/(T-1)^2$	3

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Dimension	Degree	Hilbert Series	Count
4	3	$(-2T^2+4T+1)/(T-1)^4$	3
3	10	$(-2T^2-7T-1)/(T-1)^3$	3
4	1	$(-2T^2+2T+1)/(T-1)^4$	3
3	8	$(-T^2-6T-1)/(T-1)^3$	2
2	6	$(3T^2+2T+1)/(T-1)^2$	2
4	3	$(T^2+T+1)/(T-1)^4$	2
2	6	$(-T^2+6T+1)/(T-1)^2$	2
3	2	$(4T^2-5T-1)/(T-1)^3$	2
3	2	$(-T^3+4T^2-4T-1)/(T-1)^3$	2
3	6	$(-3T^2-2T-1)/(T-1)^3$	1
1	6	$(-5T-1)/(T-1)$	1
4	1	$(-2T^3+T^2+T+1)/(T-1)^4$	1
3	2	$(-2T^3+4T^2-3T-1)/(T-1)^3$	1
3	2	$(3T^2-4T-1)/(T-1)^3$	1
4	3	$(T^3-T^2+2T+1)/(T-1)^4$	1
2	4	$(-2T^2+5T+1)/(T-1)^2$	1
3	2	$(-T^3+5T^2-5T-1)/(T-1)^3$	1
4	6	$(5T+1)/(T-1)^4$	1

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	1	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	1	274
1	1	$-1/(T-1)$	172
2	1	$(T-1)^{-2}$	88
2	2	$(T+1)/(T-1)^2$	10
1	2	$(-T-1)/(T-1)$	4

5.4 E=9

Table 23: Quivers with 6 Vertices and 9 Edges

Dimension	Degree	Hilbert Series	Count
0	1	1	12986
1	1	$-1/(T-1)$	8174
2	1	$(T-1)^{-2}$	3448
2	2	$(T+1)/(T-1)^2$	1452
1	2	$(-T-1)/(T-1)$	881
3	1	$-1/(T-1)^3$	488
3	2	$(-T-1)/(T-1)^3$	444
2	3	$(2T+1)/(T-1)^2$	238
2	1	$(-T^2+T+1)/(T-1)^2$	187
3	2	$(T^2-2T-1)/(T-1)^3$	126
3	1	$(T^2-T-1)/(T-1)^3$	82
0	2	$T+1$	32
1	3	$(-2T-1)/(T-1)$	23
3	4	$(-3T-1)/(T-1)^3$	21
2	2	$(-T^2+2T+1)/(T-1)^2$	11
3	3	$(-2T-1)/(T-1)^3$	6
2	4	$(3T+1)/(T-1)^2$	4
3	3	$(-T^2-T-1)/(T-1)^3$	1

5.5 E=10

Table 24: Quivers with 6 Vertices and 10 Edges

Dimension	Degree	Hilbert Series	Count
1	1	$-1/(T-1)$	81600
0	1	1	73232
2	1	$(T-1)^{-2}$	56660
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Dimension	Degree	Hilbert Series	Count
2	2	$(T+1)/(T-1)^2$	18283
1	2	$(-T-1)/(T-1)$	13345
3	1	$-1/(T-1)^3$	12608
3	2	$(-T-1)/(T-1)^3$	9716
2	1	$(-T^2+T+1)/(T-1)^2$	3167
1	3	$(-2T-1)/(T-1)$	2486
3	3	$(-2T-1)/(T-1)^3$	2334
4	1	$(T-1)^{-4}$	2316
2	3	$(2T+1)/(T-1)^2$	2248
2	2	$(-T^2+2T+1)/(T-1)^2$	2009
4	2	$(T+1)/(T-1)^4$	1956
3	2	$(T^2-2T-1)/(T-1)^3$	1066
3	1	$(T^2-T-1)/(T-1)^3$	934
4	1	$(-T^2+T+1)/(T-1)^4$	729
0	2	$T+1$	719
4	3	$(2T+1)/(T-1)^4$	595
4	2	$(-T^2+2T+1)/(T-1)^4$	513
3	3	$(-T^2-T-1)/(T-1)^3$	447
3	4	$-(T+1)^2/(T-1)^3$	376
0	3	$2T+1$	374
1	4	$(-3T-1)/(T-1)$	345
2	3	$(-T^2+3T+1)/(T-1)^2$	315
2	2	$(-2T^2+3T+1)/(T-1)^2$	298
2	4	$(3T+1)/(T-1)^2$	298
1	2	$(T^2-2T-1)/(T-1)$	296
2	1	$(-2T^2+2T+1)/(T-1)^2$	292
3	4	$(-3T-1)/(T-1)^3$	276
1	1	$(T^2-T-1)/(T-1)$	174
3	1	$(-T^3+2T^2-T-1)/(T-1)^3$	124

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Dimension	Degree	Hilbert Series	Count
3	3	$(T^2 - 3T - 1)/(T - 1)^3$	96
3	6	$(-T - 1)(2T + 1)/(T - 1)^3$	84
2	4	$(-T^2 + 4T + 1)/(T - 1)^2$	80
3	5	$(-4T - 1)/(T - 1)^3$	75
3	6	$(-T^2 - 4T - 1)/(T - 1)^3$	74
3	2	$(-T^3 + 2T^2 - 2T - 1)/(T - 1)^3$	65
4	2	$(-T - 1)(T^2 - T - 1)/(T - 1)^4$	60
2	5	$(4T + 1)/(T - 1)^2$	60
2	1	$(T^3 - 3T^2 + 2T + 1)/(T - 1)^2$	57
2	3	$(-2T^2 + 4T + 1)/(T - 1)^2$	51
1	5	$(-4T - 1)/(T - 1)$	51
4	4	$(3T + 1)/(T - 1)^4$	49
4	3	$(-T^2 + 3T + 1)/(T - 1)^4$	45
2	3	$(T^2 + T + 1)/(T - 1)^2$	45
4	6	$(T^2 + 4T + 1)/(T - 1)^4$	36
3	2	$(-T^3 + 3T^2 - 3T - 1)/(T - 1)^3$	35
4	1	$(-T^3 + T + 1)/(T - 1)^4$	33
3	1	$(-T^3 + 3T^2 - 2T - 1)/(T - 1)^3$	30
4	2	$(T^3 - 2T^2 + 2T + 1)/(T - 1)^4$	28
4	3	$(T^2 + T + 1)/(T - 1)^4$	26
3	5	$(-T^2 - 3T - 1)/(T - 1)^3$	22
3	2	$(2T^2 - 3T - 1)/(T - 1)^3$	22
4	5	$(T^2 + 3T + 1)/(T - 1)^4$	21
2	2	$(-3T^2 + 4T + 1)/(T - 1)^2$	21
2	2	$(T^4 - 2T^3 + 2T + 1)/(T - 1)^2$	21
3	8	$(-T - 1)(3T + 1)/(T - 1)^3$	20
3	1	$(2T^2 - 2T - 1)/(T - 1)^3$	19
3	6	$(-5T - 1)/(T - 1)^3$	18
2	4	$(T + 1)^2/(T - 1)^2$	17

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Dimension	Degree	Hilbert Series	Count
2	6	$(5T+1)/(T-1)^2$	17
4	1	$(-2T^2+2T+1)/(T-1)^4$	15
4	2	$(-T-1)(2T^2-2T-1)/(T-1)^4$	15
2	5	$(-T^2+5T+1)/(T-1)^2$	15
2	6	$(3T^2+2T+1)/(T-1)^2$	12
4	2	$(-2T^2+3T+1)/(T-1)^4$	12
2	6	$(T^2+4T+1)/(T-1)^2$	11
4	3	$(-2T^2+4T+1)/(T-1)^4$	10
4	3	$(-2T-1)(T^2-T-1)/(T-1)^4$	10
3	2	$(-T^3+4T^2-4T-1)/(T-1)^3$	9
4	1	$(-2T^3+T^2+T+1)/(T-1)^4$	9
3	7	$(-T^2-5T-1)/(T-1)^3$	9
1	3	$(T^2-3T-1)/(T-1)$	9
3	2	$(3T^2-4T-1)/(T-1)^3$	8
3	2	$(4T^2-5T-1)/(T-1)^3$	7
4	3	$(-T^3+3T+1)/(T-1)^4$	7
4	3	$(T^3-T^2+2T+1)/(T-1)^4$	7
3	1	$(3T^2-3T-1)/(T-1)^3$	6
1	1	$(2T^2-2T-1)/(T-1)$	6
2	1	$(T^3-2T^2+T+1)/(T-1)^2$	6
4	5	$(-T^3+2T^2+3T+1)/(T-1)^4$	6
2	4	$(-2T^2+5T+1)/(T-1)^2$	5
4	3	$(-T^3-2T^2+5T+1)/(T-1)^4$	4
3	2	$(-2T^3+4T^2-3T-1)/(T-1)^3$	4
4	2	$(-T^3+T^2+T+1)/(T-1)^4$	4
4	3	$(2T^3-3T^2+3T+1)/(T-1)^4$	4
2	7	$(6T+1)/(T-1)^2$	4
1	6	$(-5T-1)/(T-1)$	4
2	5	$(T^2+3T+1)/(T-1)^2$	3

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Dimension	Degree	Hilbert Series	Count
3	6	$(-3T^2 - 2T - 1)/(T - 1)^3$	3
2	3	$(-3T^2 + 5T + 1)/(T - 1)^2$	3
3	8	$(-T^2 - 6T - 1)/(T - 1)^3$	3
2	6	$(-T^2 + 6T + 1)/(T - 1)^2$	3
3	10	$(-2T^2 - 7T - 1)/(T - 1)^3$	3
2	2	$(-4T^2 + 5T + 1)/(T - 1)^2$	2
2	8	$(2T^2 + 5T + 1)/(T - 1)^2$	2
3	1	$(2T^3 - T^2 - T - 1)/(T - 1)^3$	2
3	3	$(2T^2 - 4T - 1)/(T - 1)^3$	2
3	4	$(-T^3 + 3T^2 - 5T - 1)/(T - 1)^3$	2
4	4	$(-T - 1)(T^2 - 2T - 1)/(T - 1)^4$	2
3	2	$(-2T^3 + 5T^2 - 4T - 1)/(T - 1)^3$	2
3	4	$(T^2 - 4T - 1)/(T - 1)^3$	2
3	1	$(T^4 - 4T^3 + 5T^2 - 2T - 1)/(T - 1)^3$	1
3	6	$(T^2 - 6T - 1)/(T - 1)^3$	1
4	4	$(T + 1)^2/(T - 1)^4$	1
3	2	$(-T^3 + 5T^2 - 5T - 1)/(T - 1)^3$	1
4	6	$(5T + 1)/(T - 1)^4$	1
2	8	$(T^2 + 6T + 1)/(T - 1)^2$	1
2	1	$(-3T^2 + 3T + 1)/(T - 1)^2$	1

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	1	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	1	364
1	1	$-1/(T-1)$	253
2	1	$(T-1)^{-2}$	127
2	2	$(T+1)/(T-1)^2$	14
1	2	$(-T-1)/(T-1)$	4

6.4 E=10

Table 28: Quivers with 7 Vertices and 10 Edges

Dimension	Degree	Hilbert Series	Count
0	1	1	21379
1	1	$-1/(T-1)$	14761
2	1	$(T-1)^{-2}$	7088
2	2	$(T+1)/(T-1)^2$	2219
1	2	$(-T-1)/(T-1)$	1740
3	1	$-1/(T-1)^3$	1200
3	2	$(-T-1)/(T-1)^3$	743
2	1	$(-T^2+T+1)/(T-1)^2$	481
2	3	$(2T+1)/(T-1)^2$	363
3	2	$(T^2-2T-1)/(T-1)^3$	192
3	1	$(T^2-T-1)/(T-1)^3$	191
0	2	$T+1$	112
3	4	$(-3T-1)/(T-1)^3$	50
1	3	$(-2T-1)/(T-1)$	48
2	2	$(-T^2+2T+1)/(T-1)^2$	22
3	3	$(-2T-1)/(T-1)^3$	18
2	4	$(3T+1)/(T-1)^2$	3
3	3	$(-T^2-T-1)/(T-1)^3$	2

7 N=8

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	1	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	1	513
1	1	$-1/(T-1)$	418
2	1	$(T-1)^{-2}$	201
2	2	$(T+1)/(T-1)^2$	27
1	2	$(-T-1)/(T-1)$	12

7.4 E=11

Table 32: Quivers with 8 Vertices and 11 Edges

Dimension	Degree	Hilbert Series	Count
0	1	1	33658
1	1	$-1/(T-1)$	25250
2	1	$(T-1)^{-2}$	13255
1	2	$(-T-1)/(T-1)$	3481
2	2	$(T+1)/(T-1)^2$	3331
3	1	$-1/(T-1)^3$	2434
3	2	$(-T-1)/(T-1)^3$	1263
2	1	$(-T^2+T+1)/(T-1)^2$	1040
2	3	$(2T+1)/(T-1)^2$	633
3	1	$(T^2-T-1)/(T-1)^3$	367
3	2	$(T^2-2T-1)/(T-1)^3$	289
0	2	$T+1$	272
1	3	$(-2T-1)/(T-1)$	107
2	2	$(-T^2+2T+1)/(T-1)^2$	88
3	4	$(-3T-1)/(T-1)^3$	70
3	3	$(-2T-1)/(T-1)^3$	42
2	4	$(3T+1)/(T-1)^2$	20
3	3	$(-T^2-T-1)/(T-1)^3$	7

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	1	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	1	636
1	1	$-1/(T-1)$	555
2	1	$(T-1)^{-2}$	271
2	2	$(T+1)/(T-1)^2$	37
1	2	$(-T-1)/(T-1)$	16

8.4 E=12

Table 36: Quivers with 9 Vertices and 12 Edges

Dimension	Degree	Hilbert Series	Count
0	1	1	51084
1	1	$-1/(T-1)$	42374
2	1	$(T-1)^{-2}$	23220
1	2	$(-T-1)/(T-1)$	6075
2	2	$(T+1)/(T-1)^2$	5314
3	1	$-1/(T-1)^3$	4625
3	2	$(-T-1)/(T-1)^3$	2073
2	1	$(-T^2+T+1)/(T-1)^2$	2023
2	3	$(2T+1)/(T-1)^2$	1126
0	2	$T+1$	672
3	1	$(T^2-T-1)/(T-1)^3$	651
3	2	$(T^2-2T-1)/(T-1)^3$	517
1	3	$(-2T-1)/(T-1)$	356
2	2	$(-T^2+2T+1)/(T-1)^2$	249
3	4	$(-3T-1)/(T-1)^3$	110
3	3	$(-2T-1)/(T-1)^3$	83
2	4	$(3T+1)/(T-1)^2$	53
3	3	$(-T^2-T-1)/(T-1)^3$	21
1	4	$(-3T-1)/(T-1)$	8
2	3	$(-T^2+3T+1)/(T-1)^2$	5
3	6	$(-T^2-4T-1)/(T-1)^3$	5
3	2	$(2T^2-3T-1)/(T-1)^3$	3
2	3	$(T^2+T+1)/(T-1)^2$	2
2	6	$(T^2+4T+1)/(T-1)^2$	1

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	1	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	1	836
1	1	$-1/(T-1)$	814
2	1	$(T-1)^{-2}$	391
2	2	$(T+1)/(T-1)^2$	60
1	2	$(-T-1)/(T-1)$	32

9.4 E=13

Table 40: Quivers with 10 Vertices and 13 Edges

Dimension	Degree	Hilbert Series	Count
1	1	$-1/(T-1)$	45821
0	1	1	45032
2	1	$(T-1)^{-2}$	27417
3	1	$-1/(T-1)^3$	7079
1	2	$(-T-1)/(T-1)$	4857
2	2	$(T+1)/(T-1)^2$	4557
3	2	$(-T-1)/(T-1)^3$	2227
2	1	$(-T^2+T+1)/(T-1)^2$	1617
0	2	$T+1$	1216
3	1	$(T^2-T-1)/(T-1)^3$	671
2	3	$(2T+1)/(T-1)^2$	655
3	2	$(T^2-2T-1)/(T-1)^3$	279
1	3	$(-2T-1)/(T-1)$	266
2	2	$(-T^2+2T+1)/(T-1)^2$	194
3	3	$(-2T-1)/(T-1)^3$	91
3	4	$(-3T-1)/(T-1)^3$	72
3	3	$(-T^2-T-1)/(T-1)^3$	42
2	4	$(3T+1)/(T-1)^2$	39
3	6	$(-T^2-4T-1)/(T-1)^3$	7
1	4	$(-3T-1)/(T-1)$	7
3	2	$(2T^2-3T-1)/(T-1)^3$	3
2	3	$(-T^2+3T+1)/(T-1)^2$	2
2	3	$(T^2+T+1)/(T-1)^2$	2
2	6	$(T^2+4T+1)/(T-1)^2$	1