Transitive Groups of Degree 12

No	Group	Order	2-Index	Molien Series
1	"C4[x]C3"	12	$1+t+6t^2+19t^3+43t^4+66t^5+80t^6+66t^7+43t^8+19t^9+6t^{10}+t^{11}+t^{12}$	$1+t+7t^2+31t^3+116t^4+364t^5+1038t^6+2652t^7+6310t^8+14000t^9+29414t^{10}$
2	"E4[x]C3=6x2"	12	$1+t+7t^2+19t^3+45t^4+66t^5+84t^6+66t^7+45t^8+19t^9+7t^{10}+t^{11}+t^{12}$	$1+t+8t^2+31t^3+119t^4+364t^5+1048t^6+2652t^7+6330t^8+14000t^9+29456t^{10}$
3	"D_66[x]2=1/2[3:2]E4"	12	$1+t+9t^2+19t^3+50t^4+66t^5+90t^6+66t^7+50t^8+19t^9+9t^{10}+t^{11}+t^{12}$	$1+t+10t^2+31t^3+126t^4+364t^5+1066t^6+2652t^7+6372t^8+14000t^9+29540t^{10}$

4	"A_412"	12	$1+t+7t^2+21t^3+45t^4+66t^5+86t^6+66t^7+45t^8+21t^9+7t^{10}+t^{11}+t^{12}$	$1+t+8t^2+33t^3+119t^4+364t^5+1052t^6+2652t^7+6330t^8+14010t^9+29456t^{10}$
5	"1/2[3:2]4"	12	$1+t+6t^2+19t^3+44t^4+66t^5+80t^6+66t^7+44t^8+19t^9+6t^{10}+t^{11}+t^{12}$	$1+t+7t^2+31t^3+117t^4+364t^5+1038t^6+2652t^7+6312t^8+14000t^9+29414t^{10}$
6	"A_412x2"	24	$1+t+5t^2+13t^3+27t^4+38t^5+50t^6+38t^7+27t^8+13t^9+5t^{10}+t^{11}+t^{12}$	$1+t+6t^2+21t^3+71t^4+204t^5+572t^6+1404t^7+3306t^8+7230t^9+15100t^{10}$
7	"A_46[x]2=[1/82^6]3"	24	$1+t+5t^2+13t^3+27t^4+38t^5+50t^6+38t^7+27t^8+13t^9+5t^{10}+t^{11}+t^{12}$	$1+t+6t^2+21t^3+71t^4+204t^5+572t^6+1404t^7+3306t^8+$

				$7230t^9 + 15100t^{10}$
8	"S_412d"	24	$1 + t + 5t^2 + 13t^3 + 27t^4 + 38t^5 + 48t^6 + 38t^7 + 27t^8 + 13t^9 + 5t^{10} + t^{11} + t^{12}$	$1 + t + 6t^2 + 20t^3 + 69t^4 + 196t^5 + 554t^6 + 1368t^7 + 3240t^8 + 7110t^9 + 14896t^{10}$
9	"1/2[1/82^6]S3=S_412e"	24	$1 + t + 6t^2 + 13t^3 + 29t^4 + 38t^5 + 52t^6 + 38t^7 + 29t^8 + 13t^9 + 6t^{10} + t^{11} + t^{12}$	$1 + t + 7t^2 + 21t^3 + 74t^4 + 204t^5 + 578t^6 + 1404t^7 + 3320t^8 + 7230t^9 + 15126t^{10}$
10	"S3[x]E4"	24	$1 + t + 7t^2 + 12t^3 + 32t^4 + 38t^5 + 55t^6 + 38t^7 + 32t^8 + 12t^9 + 7t^{10} + t^{11} + t^{12}$	$1 + t + 8t^2 + 20t^3 + 78t^4 + 204t^5 + 588t^6 + 1404t^7 + 3348t^8 + 7225t^9 + 15184t^{10}$
11	"S3[x]C4"	24	$1 + t + 5t^2 + 12t^3 + 28t^4 + 38t^5 + 48t^6 + 38t^7 + 28t^8$	$1 + t + 6t^2 + 20t^3 + 72t^4 + 204t^5 + 569t^6 +$

			$+12t^9+5t^{10}+t^{11}+t^{12}$	$1404t^7+3308t^8+7225t^9+15100t^{10}$
12	"1/2[3:2]cD4"	24	$1+t+6t^2+12t^3+29t^4+38t^5+50t^6+38t^7+29t^8+12t^9+6t^{10}+t^{11}+t^{12}$	$1+t+7t^2+19t^3+72t^4+196t^5+561t^6+1368t^7+3260t^8+7105t^9+14938t^{10}$
13	"1/2[3:2]eD4"	24	$1+t+5t^2+12t^3+27t^4+38t^5+47t^6+38t^7+27t^8+12t^9+5t^{10}+t^{11}+t^{12}$	$1+t+6t^2+19t^3+69t^4+196t^5+552t^6+1368t^7+3240t^8+7105t^9+14896t^{10}$
14	"D4[x]C3"	24	$1+t+5t^2+13t^3+28t^4+40t^5+50t^6+40t^7+28t^8+13t^9+5t^{10}+t^{11}+t^{12}$	$1+t+6t^2+22t^3+76t^4+220t^5+606t^6+1488t^7+3470t^8+7546t^9+15664t^{10}$
15	"1/2[3:2]dD4"	24	$1+t+6t^2+13t^3+31t^4$	$1+t+7t^2+22t^3+80t^4$

			$+40t^5+53t^6+40t^7+31t^8+13t^9+6t^{10}+t^{11}+t^{12}$	$+220t^5+615t^6+1488t^7+3492t^8+7546t^9+15706t^{10}$
16	"[3^2]E4"	36	$1+t+6t^2+9t^3+23t^4+26t^5+40t^6+26t^7+23t^8+9t^9+6t^{10}+t^{11}+t^{12}$	$1+t+7t^2+17t^3+62t^4+154t^5+433t^6+1002t^7+2358t^8+5012t^9+10457t^{10}$
17	"[3^2]4"	36	$1+t+5t^2+9t^3+22t^4+26t^5+36t^6+26t^7+22t^8+9t^9+5t^{10}+t^{11}+t^{12}$	$1+t+6t^2+17t^3+60t^4+154t^5+423t^6+1002t^7+2340t^8+5012t^9+10415t^{10}$
18	"[3^2]E4"	36	$1+t+5t^2+9t^3+20t^4+26t^5+36t^6+26t^7+20t^8+9t^9+5t^{10}+t^{11}+t^{12}$	$1+t+6t^2+17t^3+58t^4+154t^5+422t^6+1002t^7+2332t^8+5012t^9+10404t^{10}$

19	"[3^2]4"	36	$1+t+4t^2+9t^3+18t^4+26t^5+32t^6+26t^7+18t^8+9t^9+4t^{10}+t^{11}+t^{12}$	$1+t+5t^2+17t^3+55t^4+154t^5+412t^6+1002t^7+2312t^8+5012t^9+10362t^{10}$
20	"A4[x]C3"	36	$1+t+3t^2+9t^3+17t^4+24t^5+32t^6+24t^7+17t^8+9t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+15t^3+45t^4+130t^5+368t^6+906t^7+2142t^8+4722t^9+9884t^{10}$
21	"1/2[1/42^6]S3"	48	$1+t+6t^2+11t^3+25t^4+30t^5+42t^6+30t^7+25t^8+11t^9+6t^{10}+t^{11}+t^{12}$	$1+t+7t^2+19t^3+66t^4+168t^5+454t^6+1040t^7+2368t^8+4940t^9+10038t^{10}$
22	"S_412dx2"	48	$1+t+4t^2+9t^3+18t^4+24t^5+30t^6+24t^7+18t^8+9t^9+4t^{10}+t^{11}+t^{12}$	$1+t+5t^2+14t^3+45t^4+116t^5+314t^6+744t^7+1728t^8+3720t^9+7718t^{10}$

23	"S_46d[x]2=[1/82^6]S3"	48	$1+t+5t^2+9t^3+20t^4+24t^5+34t^6+24t^7+20t^8+9t^9+5t^{10}+t^{11}+t^{12}$	$1+t+6t^2+15t^3+50t^4+124t^5+338t^6+780t^7+1808t^8+3840t^9+7948t^{10}$
24	"S_46c[x]2"	48	$1+t+5t^2+7t^3+18t^4+20t^5+32t^6+20t^7+18t^8+7t^9+5t^{10}+t^{11}+t^{12}$	$1+t+6t^2+13t^3+46t^4+110t^5+314t^6+722t^7+1716t^8+3658t^9+7676t^{10}$
25	"2A_46[x]2=[1/42^6]3"	48	$1+t+5t^2+11t^3+23t^4+30t^5+40t^6+30t^7+23t^8+11t^9+5t^{10}+t^{11}+t^{12}$	$1+t+6t^2+19t^3+63t^4+168t^5+448t^6+1040t^7+2354t^8+4940t^9+10012t^{10}$
26	"A_412x2^2"	48	$1+t+4t^2+9t^3+18t^4+24t^5+32t^6+24t^7+18t^8+9t^9+4t^{10}+t^{11}+t^{12}$	$1+t+5t^2+15t^3+47t^4+124t^5+332t^6+780t^7+1794t^8+3840t^9+7922t^{10}$

27	"[2]S_46_2"	48	$1+t+3t^2+7t^3+15t^4+20t^5+26t^6+20t^7+15t^8+7t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+12t^3+39t^4+106t^5+292t^6+710t^7+1666t^8+3630t^9+7570t^{10}$
28	"D4[x]S3"	48	$1+t+5t^2+9t^3+21t^4+25t^5+34t^6+25t^7+21t^8+9t^9+5t^{10}+t^{11}+t^{12}$	$1+t+6t^2+15t^3+52t^4+128t^5+349t^6+804t^7+1864t^8+3938t^9+8144t^{10}$
29	"[1/24^2]3"	48	$1+t+4t^2+11t^3+21t^4+30t^5+36t^6+30t^7+21t^8+11t^9+4t^{10}+t^{11}+t^{12}$	$1+t+5t^2+19t^3+60t^4+168t^5+438t^6+1040t^7+2334t^8+4940t^9+9970t^{10}$
30	"1/2[1/44^3]S3"	48	$1+t+5t^2+11t^3+23t^4+30t^5+38t^6+30t^7+23t^8+11t^9+5t^{10}+t^{11}+t^{12}$	$1+t+6t^2+19t^3+63t^4+168t^5+444t^6+1040t^7+2346t^8+4940t^9+9990t^{10}$

31	"[4^2]3"	48	$1+t+3t^2+9t^3+13t^4+20t^5+28t^6+20t^7+13t^8+9t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+15t^3+39t^4+110t^5+300t^6+722t^7+1674t^8+3668t^9+7592t^{10}$
32	"[E4^2]3"	48	$1+t+4t^2+11t^3+18t^4+24t^5+34t^6+24t^7+18t^8+11t^9+4t^{10}+t^{11}+t^{12}$	$1+t+5t^2+17t^3+47t^4+124t^5+336t^6+780t^7+1794t^8+3850t^9+7922t^{10}$
33	"A_512"	60	$1+t+3t^2+5t^3+12t^4+14t^5+24t^6+14t^7+12t^8+5t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+9t^3+30t^4+76t^5+228t^6+536t^7+1298t^8+2814t^9+5952t^{10}$
34	"F_36:212e"	72	$1+t+5t^2+7t^3+16t^4+18t^5+26t^6+18t^7+16t^8+7t^9+5t^{10}+t^{11}+t^{12}$	$1+t+6t^2+13t^3+43t^4+99t^5+261t^6+579t^7+1316t^8+2731t^9+5589t^{10}$
35	"[D_6^2]2=D_6wr2"	72	$1+t+5t^2+8t^3+18t^4+$	$1+t+6t^2+15t^3+49t^4$

			$21t^5+28t^6+21t^7+18t^8+8t^9+5t^{10}+t^{11}+t^{12}$	$+116t^5+300t^6+665t^7+1489t^8+3055t^9+6171t^{10}$
36	"F_36:212d"	72	$1+t+4t^2+6t^3+14t^4+15t^5+22t^6+15t^7+14t^8+6t^9+4t^{10}+t^{11}+t^{12}$	$1+t+5t^2+11t^3+37t^4+85t^5+231t^6+522t^7+1215t^8+2554t^9+5302t^{10}$
37	"[3^2:2]E4"	72	$1+t+5t^2+7t^3+17t^4+18t^5+28t^6+18t^7+17t^8+7t^9+5t^{10}+t^{11}+t^{12}$	$1+t+6t^2+13t^3+44t^4+99t^5+266t^6+579t^7+1328t^8+2731t^9+5616t^{10}$
38	"1/2[3^2:2]cD4"	72	$1+t+4t^2+7t^3+14t^4+18t^5+23t^6+18t^7+14t^8+7t^9+4t^{10}+t^{11}+t^{12}$	$1+t+5t^2+12t^3+38t^4+91t^5+239t^6+543t^7+1240t^8+2611t^9+5370t^{10}$
39	"[3^2:2]4"	72	$1+t+4t^2+7t^3+15t^4+18t^5+24t^6+18t^7+15t^8$	$1+t+5t^2+13t^3+41t^4+99t^5+256t^6+579t^7$

			$+7t^9+4t^{10}+t^{11}+t^{12}$	$+1308t^8+2731t^9+5574t^{10}$
40	"F_366[x]2"	72	$1+t+5t^2+7t^3+16t^4+18t^5+26t^6+18t^7+16t^8+7t^9+5t^{10}+t^{11}+t^{12}$	$1+t+6t^2+13t^3+43t^4+99t^5+260t^6+579t^7+1314t^8+2731t^9+5584t^{10}$
41	"1/2[1/42^3^2]F_366"	72	$1+t+4t^2+7t^3+16t^4+18t^5+24t^6+18t^7+16t^8+7t^9+4t^{10}+t^{11}+t^{12}$	$1+t+5t^2+13t^3+42t^4+99t^5+256t^6+579t^7+1310t^8+2731t^9+5574t^{10}$
42	"[3^2]D4=6wr2"	72	$1+t+4t^2+7t^3+13t^4+16t^5+21t^6+16t^7+13t^8+7t^9+4t^{10}+t^{11}+t^{12}$	$1+t+5t^2+14t^3+42t^4+104t^5+265t^6+600t^7+1342t^8+2804t^9+5690t^{10}$
43	"A4[x]S3"	72	$1+t+3t^2+6t^3+12t^4+14t^5+21t^6+14t^7+12t^8+6t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+10t^3+30t^4+74t^5+208t^6+482t^7+1136t^8+2441t^9+$

				$5100t^{10}$
44	"1/2[3:2]S4"	72	$1+t+3t^2+7t^3+13t^4+17t^5+21t^6+17t^7+13t^8+7t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+11t^3+32t^4+79t^5+212t^6+495t^7+1146t^8+2466t^9+5110t^{10}$
45	"S4[x]C3"	72	$1+t+3t^2+8t^3+14t^4+19t^5+24t^6+19t^7+14t^8+8t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+14t^3+39t^4+103t^5+266t^6+615t^7+1376t^8+2907t^9+5878t^{10}$
46	"[1/33^3:2]4_4"	72	$1+t+3t^2+6t^3+13t^4+17t^5+20t^6+17t^7+13t^8+6t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+11t^3+34t^4+87t^5+224t^6+531t^7+1206t^8+2581t^9+5298t^{10}$
47	"[1/33^3:2]E4_4"	72	$1+t+4t^2+6t^3+14t^4+17t^5+22t^6+17t^7+14t^8+6t^9+4t^{10}+t^{11}+t^{12}$	$1+t+5t^2+11t^3+36t^4+87t^5+228t^6+531t^7+1212t^8+2581t^9+5308t^{10}$

48	"2S_46[x]2=[1/42^6]S3"	96	$1+t+5t^2+7t^3+17t^4+18t^5+28t^6+18t^7+17t^8+7t^9+5t^{10}+t^{11}+t^{12}$	$1+t+6t^2+13t^3+44t^4+99t^5+264t^6+569t^7+1286t^8+2604t^9+5268t^{10}$
49	"[2]2S_46_2"	96	$1+t+3t^2+6t^3+12t^4+15t^5+19t^6+15t^7+12t^8+6t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+10t^3+30t^4+71t^5+183t^6+415t^7+941t^8+1980t^9+4055t^{10}$
50	"1/2e[1/16D4^3]S3"	96	$1+t+5t^2+9t^3+19t^4+22t^5+30t^6+22t^7+19t^8+9t^9+5t^{10}+t^{11}+t^{12}$	$1+t+6t^2+16t^3+51t^4+122t^5+312t^6+682t^7+1495t^8+3016t^9+5965t^{10}$
51	"[1/16D4^3]3"	96	$1+t+4t^2+9t^3+17t^4+22t^5+28t^6+22t^7+17t^8+9t^9+4t^{10}+t^{11}+t^{12}$	$1+t+5t^2+16t^3+48t^4+122t^5+306t^6+682t^7+1482t^8+3016t^9+5942t^{10}$
52	"1/2c[1/16D4^3]S3"	96	$1+t+4t^2+7t^3+15t^4+$	$1+t+5t^2+12t^3+39t^4$

			$18t^5+24t^6+18t^7+15t^8+7t^9+4t^{10}+t^{11}+t^{12}$	$+93t^5+244t^6+545t^7+1226t^8+2530t^9+5110t^{10}$
53	"[1/24^2]S3"	96	$1+t+4t^2+7t^3+15t^4+18t^5+24t^6+18t^7+15t^8+7t^9+4t^{10}+t^{11}+t^{12}$	$1+t+5t^2+13t^3+41t^4+99t^5+254t^6+569t^7+1265t^8+2604t^9+5223t^{10}$
54	"[1/22^2^3]D6_4"	96	$1+t+4t^2+7t^3+15t^4+18t^5+24t^6+18t^7+15t^8+7t^9+4t^{10}+t^{11}+t^{12}$	$1+t+5t^2+12t^3+39t^4+93t^5+244t^6+545t^7+1227t^8+2530t^9+5113t^{10}$
55	"[1/24^3]3"	96	$1+t+3t^2+7t^3+11t^4+16t^5+22t^6+16t^7+11t^8+7t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+13t^3+35t^4+92t^5+236t^6+540t^7+1198t^8+2518t^9+5048t^{10}$
56	"[1/22^6]3"	96	$1+t+4t^2+9t^3+16t^4+20t^5+28t^6+20t^7+16t^8$	$1+t+5t^2+15t^3+43t^4+106t^5+272t^6+598$

			$+9t^9+4t^{10}+t^{11}+t^{12}$	$t^7+1318t^8+2700t^9+5378t^{10}$
57	"[1/22^2^3]A_46_4"	96	$1+t+3t^2+8t^3+12t^4+17t^5+22t^6+17t^7+12t^8+8t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+13t^3+35t^4+92t^5+236t^6+540t^7+1198t^8+2518t^9+5048t^{10}$
58	"[2^4]6"	96	$1+t+4t^2+10t^3+17t^4+23t^5+30t^6+23t^7+17t^8+10t^9+4t^{10}+t^{11}+t^{12}$	$1+t+5t^2+17t^3+49t^4+128t^5+324t^6+728t^7+1584t^8+3250t^9+6394t^{10}$
59	"[2^3]A_46"	96	$1+t+3t^2+8t^3+12t^4+16t^5+22t^6+16t^7+12t^8+8t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+13t^3+33t^4+83t^5+213t^6+475t^7+1055t^8+2207t^9+4439t^{10}$
60	"[1/2[1/22^2]^3]2A_46_4"	96	$1+t+3t^2+7t^3+11t^4+15t^5+21t^6+15t^7+11t^8+7t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+12t^3+31t^4+77t^5+196t^6+439t^7+978t^8+2059t^9+$

				$4168t^{10}$
61	"[2^3]A_46_4"	96	$1+t+3t^2+8t^3+11t^4+16t^5+21t^6+16t^7+11t^8+8t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+13t^3+32t^4+81t^5+206t^6+463t^7+1026t^8+2161t^9+4348t^{10}$
62	"[4^2]S3"	96	$1+t+3t^2+7t^3+11t^4+15t^5+20t^6+15t^7+11t^8+7t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+12t^3+31t^4+77t^5+194t^6+439t^7+975t^8+2059t^9+4160t^{10}$
63	"[1/2[1/22^2]^3]S_46d_8b"	96	$1+t+3t^2+5t^3+9t^4+11t^5+18t^6+11t^7+9t^8+5t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+10t^3+27t^4+63t^5+170t^6+381t^7+883t^8+1877t^9+3888t^{10}$
64	"[1/2[1/22^2]^3]S_46d_8a"	96	$1+t+3t^2+6t^3+9t^4+13t^5+17t^6+13t^7+9t^8+6t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+10t^3+26t^4+64t^5+168t^6+386t^7+881t^8+1894t^9+3892t^{10}$

65	"[1/2[1/22^2]^3]S_46c_4"	96	$1+t+3t^2+5t^3+9t^4+10t^5+17t^6+10t^7+9t^8+5t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+9t^3+25t^4+58t^5+162t^6+366t^7+861t^8+1842t^9+3840t^{10}$
66	"[1/2[1/22^2]^3]S_46d_2"	96	$1+t+3t^2+7t^3+12t^4+15t^5+20t^6+15t^7+12t^8+7t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+11t^3+30t^4+71t^5+185t^6+415t^7+941t^8+1985t^9+4055t^{10}$
67	"[E4^2]S3"	96	$1+t+4t^2+8t^3+14t^4+17t^5+24t^6+17t^7+14t^8+8t^9+4t^{10}+t^{11}+t^{12}$	$1+t+5t^2+13t^3+36t^4+84t^5+214t^6+468t^7+1038t^8+2150t^9+4330t^{10}$
68	"[1/2[1/22^2]^3]S_46c"	96	$1+t+4t^2+6t^3+12t^4+13t^5+22t^6+13t^7+12t^8+6t^9+4t^{10}+t^{11}+t^{12}$	$1+t+5t^2+11t^3+32t^4+70t^5+190t^6+410t^7+946t^8+1968t^9+4058t^{10}$
69	"[2^4]D_66"	96	$1+t+5t^2+10t^3+19t^4$	$1+t+6t^2+17t^3+52t^4$

			$+23t^5+32t^6+23t^7+19t^8+10t^9+5t^{10}+t^{11}+t^{12}$	$+128t^5+330t^6+728t^7+1598t^8+3250t^9+6420t^{10}$
70	"1/2[3^3:2]E4"	108	$1+t+4t^2+5t^3+11t^4+12t^5+18t^6+12t^7+11t^8+5t^9+4t^{10}+t^{11}+t^{12}$	$1+t+5t^2+11t^3+34t^4+76t^5+195t^6+420t^7+938t^8+1916t^9+3883t^{10}$
71	"[3^3]E4"	108	$1+t+4t^2+5t^3+12t^4+12t^5+20t^6+12t^7+12t^8+5t^9+4t^{10}+t^{11}+t^{12}$	$1+t+5t^2+11t^3+35t^4+76t^5+199t^6+420t^7+948t^8+1916t^9+3905t^{10}$
72	"[3^3]4"	108	$1+t+3t^2+5t^3+11t^4+12t^5+16t^6+12t^7+11t^8+5t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+11t^3+33t^4+76t^5+189t^6+420t^7+930t^8+1916t^9+3863t^{10}$
73	"1/2[3^3:2]4"	108	$1+t+3t^2+5t^3+10t^4+12t^5+16t^6+12t^7+10t^8$	$1+t+4t^2+11t^3+32t^4+76t^5+189t^6+420t^7$

			$+5t^9+3t^{10}+t^{11}+t^{12}$	$+928t^8+1916t^9+3863t^{10}$
74	"S_512"	120	$1+t+3t^2+5t^3+10t^4+12t^5+18t^6+12t^7+10t^8+5t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+9t^3+26t^4+60t^5+157t^6+346t^7+783t^8+1632t^9+3332t^{10}$
75	"L6[x]2"	120	$1+t+3t^2+5t^3+10t^4+12t^5+18t^6+12t^7+10t^8+5t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+9t^3+26t^4+60t^5+158t^6+346t^7+786t^8+1632t^9+3340t^{10}$
76	"[2]L6_6"	120	$1+t+3t^2+5t^3+10t^4+12t^5+18t^6+12t^7+10t^8+5t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+9t^3+26t^4+60t^5+158t^6+346t^7+786t^8+1632t^9+3340t^{10}$
77	"[S3^2]E4"	144	$1+t+5t^2+7t^3+16t^4+17t^5+25t^6+17t^7+16t^8+7t^9+5t^{10}+t^{11}+t^{12}$	$1+t+6t^2+13t^3+43t^4+96t^5+246t^6+521t^7+1142t^8+2262t^9+$

				$4468t^{10}$
78	"[2]F_36:2_2{S_3^2}"	144	$1+t+4t^2+6t^3+13t^4+14t^5+19t^6+14t^7+13t^8+6t^9+4t^{10}+t^{11}+t^{12}$	$1+t+5t^2+11t^3+34t^4+73t^5+182t^6+382t^7+837t^8+1664t^9+3316t^{10}$
79	"[S3^2]4"	144	$1+t+4t^2+7t^3+15t^4+17t^5+22t^6+17t^7+15t^8+7t^9+4t^{10}+t^{11}+t^{12}$	$1+t+5t^2+13t^3+41t^4+96t^5+239t^6+521t^7+1130t^8+2262t^9+4442t^{10}$
80	"[2]F_36:2_2{3^2:4}"	144	$1+t+4t^2+6t^3+12t^4+14t^5+18t^6+14t^7+12t^8+6t^9+4t^{10}+t^{11}+t^{12}$	$1+t+5t^2+11t^3+33t^4+73t^5+179t^6+382t^7+829t^8+1664t^9+3300t^{10}$
81	"[3^2:2]D4"	144	$1+t+4t^2+6t^3+12t^4+13t^5+18t^6+13t^7+12t^8+6t^9+4t^{10}+t^{11}+t^{12}$	$1+t+5t^2+11t^3+33t^4+70t^5+174t^6+360t^7+789t^8+1567t^9+3136t^{10}$

82	"[1/42^3^2]F_366"	144	$1+t+4t^2+6t^3+12t^4+13t^5+17t^6+13t^7+12t^8+6t^9+4t^{10}+t^{11}+t^{12}$	$1+t+5t^2+11t^3+33t^4+70t^5+171t^6+360t^7+783t^8+1567t^9+3120t^{10}$
83	"S4[x]S3"	144	$1+t+3t^2+6t^3+11t^4+13t^5+17t^6+13t^7+11t^8+6t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+10t^3+28t^4+63t^5+159t^6+343t^7+758t^8+1546t^9+3102t^{10}$
84	"[1/33^3:2]D4_4"	144	$1+t+3t^2+5t^3+10t^4+12t^5+15t^6+12t^7+10t^8+5t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+9t^3+26t^4+59t^5+144t^6+319t^7+699t^8+1443t^9+2898t^{10}$
85	"[1/4E4^3:3]3"	144	$1+t+2t^2+5t^3+8t^4+10t^5+14t^6+10t^7+8t^8+5t^9+2t^{10}+t^{11}+t^{12}$	$1+t+3t^2+9t^3+21t^4+50t^5+128t^6+282t^7+630t^8+1332t^9+2706t^{10}$
86	"[1/16D4^3]S3"	192	$1+t+4t^2+6t^3+13t^4+$	$1+t+5t^2+11t^3+34t^4$

			$14t^5+20t^6+14t^7+13t^8+6t^9+4t^{10}+t^{11}+t^{12}$	$+73t^5+183t^6+378t^7+820t^8+1605t^9+3154t^{10}$
87	"[2^5]6"	192	$1+t+4t^2+9t^3+16t^4+21t^5+27t^6+21t^7+16t^8+9t^9+4t^{10}+t^{11}+t^{12}$	$1+t+5t^2+16t^3+47t^4+119t^5+292t^6+637t^7+1346t^8+2675t^9+5122t^{10}$
88	"[2^4]A_46"	192	$1+t+3t^2+7t^3+11t^4+14t^5+19t^6+14t^7+11t^8+7t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+12t^3+31t^4+74t^5+181t^6+384t^7+817t^8+1632t^9+3167t^{10}$
89	"[1/22^2^3]2A_46_4{n4}"	192	$1+t+3t^2+6t^3+10t^4+13t^5+18t^6+13t^7+10t^8+6t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+11t^3+29t^4+68t^5+164t^6+348t^7+740t^8+1484t^9+2896t^{10}$
90	"[E4^3]3=E4wr3"	192	$1+t+4t^2+8t^3+15t^4+18t^5+25t^6+18t^7+15t^8$	$1+t+5t^2+14t^3+41t^4+97t^5+240t^6+507t^7$

			$+8t^9+4t^{10}+t^{11}+t^{12}$	$+1080t^8+2125t^9+4106t^{10}$
91	"[1/22^2^3]2A_46_4{n2}"	192	$1+t+3t^2+6t^3+9t^4+11t^5+15t^6+11t^7+9t^8+6t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+11t^3+29t^4+68t^5+164t^6+348t^7+740t^8+1484t^9+2896t^{10}$
92	"[2^4]A_46_4{n4}"	192	$1+t+3t^2+7t^3+10t^4+14t^5+18t^6+14t^7+10t^8+7t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+12t^3+30t^4+72t^5+174t^6+372t^7+788t^8+1586t^9+3076t^{10}$
93	"[2^4]A_46_4{n2}"	192	$1+t+3t^2+7t^3+10t^4+13t^5+17t^6+13t^7+10t^8+7t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+12t^3+30t^4+72t^5+174t^6+372t^7+788t^8+1586t^9+3076t^{10}$
94	"[4^3]3=4wr3"	192	$1+t+3t^2+6t^3+9t^4+11t^5+14t^6+11t^7+9t^8+6t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+12t^3+32t^4+78t^5+186t^6+402t^7+846t^8+1694t^9+$

				$3268t^{10}$
95	"[1/24^3]S3"	192	$1+t+3t^2+5t^3+9t^4+11t^5+16t^6+11t^7+9t^8+5t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+10t^3+27t^4+61t^5+150t^6+319t^7+691t^8+1393t^9+2752t^{10}$
96	"[1/22^2^3]S_46d_8"	192	$1+t+3t^2+5t^3+8t^4+11t^5+14t^6+11t^7+8t^8+5t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+9t^3+24t^4+55t^5+136t^6+295t^7+643t^8+1319t^9+2620t^{10}$
97	"[1/22^2^3]S_46c_4"	192	$1+t+3t^2+4t^3+8t^4+8t^5+14t^6+8t^7+8t^8+4t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+8t^3+23t^4+49t^5+130t^6+275t^7+623t^8+1267t^9+2568t^{10}$
98	"1/2[4^3]S3"	192	$1+t+3t^2+4t^3+7t^4+8t^5+12t^6+8t^7+7t^8+4t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+9t^3+24t^4+53t^5+132t^6+285t^7+627t^8+1287t^9+2572t^{10}$

99	"[1/22^2^3]2A_46_2"	192	$1+t+3t^2+6t^3+10t^4+12t^5+16t^6+12t^7+10t^8+6t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+11t^3+29t^4+67t^5+161t^6+341t^7+727t^8+1455t^9+2847t^{10}$
100	"[1/22^2^3]S_46d_2"	192	$1+t+3t^2+6t^3+11t^4+13t^5+17t^6+13t^7+11t^8+6t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+10t^3+28t^4+62t^5+153t^6+324t^7+703t^8+1410t^9+2783t^{10}$
101	"[1/22^6]S3"	192	$1+t+4t^2+6t^3+12t^4+13t^5+20t^6+13t^7+12t^8+6t^9+4t^{10}+t^{11}+t^{12}$	$1+t+5t^2+11t^3+32t^4+68t^5+170t^6+348t^7+754t^8+1484t^9+2922t^{10}$
102	"[1/22^2^3]S_46c_2"	192	$1+t+3t^2+5t^3+10t^4+11t^5+16t^6+11t^7+10t^8+5t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+9t^3+26t^4+57t^5+145t^6+307t^7+677t^8+1365t^9+2719t^{10}$
103	"1/2[E4^3]S3"	192	$1+t+4t^2+5t^3+11t^4+$	$1+t+5t^2+10t^3+30t^4$

			$11t^5+19t^6+11t^7+11t^8+5t^9+4t^{10}+t^{11}+t^{12}$	$+61t^5+158t^6+319t^7+708t^8+1393t^9+2786t^{10}$
104	"[1/22^2^3]2A_46_8"	192	$1+t+3t^2+7t^3+11t^4+15t^5+18t^6+15t^7+11t^8+7t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+12t^3+32t^4+78t^5+186t^6+402t^7+846t^8+1694t^9+3268t^{10}$
105	"1/2[2^6]6"	192	$1+t+4t^2+9t^3+16t^4+21t^5+26t^6+21t^7+16t^8+9t^9+4t^{10}+t^{11}+t^{12}$	$1+t+5t^2+16t^3+47t^4+119t^5+291t^6+637t^7+1345t^8+2675t^9+5119t^{10}$
106	"[2^5]D_66"	192	$1+t+5t^2+9t^3+18t^4+21t^5+29t^6+21t^7+18t^8+9t^9+5t^{10}+t^{11}+t^{12}$	$1+t+6t^2+16t^3+50t^4+119t^5+298t^6+637t^7+1360t^8+2675t^9+5148t^{10}$
107	"1/2[2^6]D_6"	192	$1+t+5t^2+9t^3+18t^4+21t^5+28t^6+21t^7+18t^8$	$1+t+6t^2+16t^3+50t^4+119t^5+297t^6+637$

			$+9t^9+5t^{10}+t^{11}+t^{12}$	$t^7+1357t^8+2675t^9+5139t^{10}$
108	"1/2[2^5]D6"	192	$1+t+4t^2+6t^3+12t^4+13t^5+20t^6+13t^7+12t^8+6t^9+4t^{10}+t^{11}+t^{12}$	$1+t+5t^2+11t^3+33t^4+72t^5+184t^6+384t^7+841t^8+1668t^9+3294t^{10}$
109	"[2^4]D6"	192	$1+t+4t^2+7t^3+13t^4+15t^5+21t^6+15t^7+13t^8+7t^9+4t^{10}+t^{11}+t^{12}$	$1+t+5t^2+12t^3+35t^4+79t^5+196t^6+413t^7+887t^8+1759t^9+3430t^{10}$
110	"[2^3]S_46d"	192	$1+t+3t^2+6t^3+10t^4+12t^5+16t^6+12t^7+10t^8+6t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+10t^3+26t^4+57t^5+138t^6+289t^7+620t^8+1246t^9+2451t^{10}$
111	"[2^3]S_46_2"	192	$1+t+3t^2+5t^3+9t^4+10t^5+15t^6+10t^7+9t^8+5t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+9t^3+24t^4+50t^5+126t^6+260t^7+574t^8+1155t^9+$

				$2315t^{10}$
112	"[1/2[1 /22^2]^3]2S_46_8"	192	$1+t+3t^2+4t^3+8t^4+8t^5+14t^6+8t^7+8t^8+4t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+8t^3+22t^4+44t^5+114t^6+232t^7+524t^8+1055t^9+2152t^{10}$
113	"[1/2[1 /22^2]^3]2S_46_4"	192	$1+t+3t^2+5t^3+9t^4+10t^5+15t^6+10t^7+9t^8+5t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+9t^3+24t^4+51t^5+126t^6+261t^7+570t^8+1146t^9+2288t^{10}$
114	"[2^3]S_46_4"	192	$1+t+3t^2+6t^3+9t^4+12t^5+15t^6+12t^7+9t^8+6t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+10t^3+25t^4+56t^5+134t^6+283t^7+604t^8+1223t^9+2404t^{10}$
115	"[2^3]S_46_8"	192	$1+t+3t^2+5t^3+8t^4+10t^5+14t^6+10t^7+8t^8+5t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+9t^3+23t^4+49t^5+122t^6+254t^7+558t^8+1132t^9+2268t^{10}$

116	"[3^3]D4"	216	$1+t+3t^2+4t^3+9t^4+9t^5+13t^6+9t^7+9t^8+4t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+9t^3+26t^4+54t^5+132t^6+271t^7+587t^8+1153t^9+2282t^{10}$
117	"[3^3:2]E4"	216	$1+t+4t^2+5t^3+11t^4+11t^5+17t^6+11t^7+11t^8+5t^9+4t^{10}+t^{11}+t^{12}$	$1+t+5t^2+10t^3+30t^4+60t^5+147t^6+288t^7+618t^8+1183t^9+2329t^{10}$
118	"1/2[3^3:2]eD4"	216	$1+t+3t^2+4t^3+8t^4+8t^5+12t^6+8t^7+8t^8+4t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+8t^3+23t^4+46t^5+114t^6+231t^7+509t^8+1006t^9+2026t^{10}$
119	"[3^3:2]4"	216	$1+t+3t^2+5t^3+10t^4+11t^5+14t^6+11t^7+10t^8+5t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+10t^3+28t^4+60t^5+139t^6+288t^7+604t^8+1183t^9+2298t^{10}$
120	"1/2[3^3:2]cD4"	216	$1+t+3t^2+4t^3+8t^4+8t^5$	$1+t+4t^2+8t^3+23t^4+$

			$+11t^6+8t^7+8t^8+4t^9+3t^{10}+t^{11}+t^{12}$	$46t^5+112t^6+231t^7+505t^8+1006t^9+2015t^{10}$
121	"1/2[3^3:2]dD4"	216	$1+t+3t^2+4t^3+8t^4+9t^5+12t^6+9t^7+8t^8+4t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+9t^3+25t^4+54t^5+130t^6+271t^7+581t^8+1153t^9+2271t^{10}$
122	"[1/33^3:2]A4_4"	216	$1+t+2t^2+4t^3+6t^4+7t^5+10t^6+7t^7+6t^8+4t^9+2t^{10}+t^{11}+t^{12}$	$1+t+3t^2+7t^3+16t^4+35t^5+88t^6+191t^7+424t^8+893t^9+1808t^{10}$
123	"L6:2[x]2"	240	$1+t+3t^2+3t^3+7t^4+7t^5+13t^6+7t^7+7t^8+3t^9+3t^{10}+t^{11}+t^{12}$	$1+t+4t^2+7t^3+20t^4+38t^5+98t^6+193t^7+435t^8+859t^9+1754t^{10}$
124	"[2]L6:2_12"	240	$1+t+2t^2+3t^3+6t^4+7t^5+10t^6+7t^7+6t^8+3$	$1+t+3t^2+6t^3+16t^4+34t^5+85t^6+181t^7$

			$t^9 + 2t^{10} + t^{11} + t^{12}$	$+405t^8 + 831t^9 + 1690t^{10}$